



CV of Scott J. Taylor, CDP, Animator of Accident Reconstructions

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Temporary web site <https://www.seakexperts.com/members/11000-scott-j-taylor>

New web site under construction, 02/25/2019

Scott is likely America's most experienced all around animator of reconstructions, experienced in 278 retained cases in 38 states, 37 specialties, 25 testimonies, for plaintiffs and defendants, over 26 years. He initially researched 9 "rules of evidence" books to pioneer the 1991 judges admissibility questions documents for the National Institute For Trial Advocacy (NITA), for attorney Kendall Few, which then enabled first animations jury viewing in many states by providing Scott's NITA document to judges. He has 12 main qualifications:

- 1-** He has been retained in 41 new cases since 2009 (including 5 Trucking and 5 Criminal Defense).
- 2-** His hourly fee is 39% less than 2019 expert's averages. See further large cost savings in item #10 below.
- 3-** 36% were repeats animations by attorneys or experts in prior cases, in his 2009 study.
- 4-** He was honored twice to speak with Federal Judge Anderson, at CLE programs where the Judge stated "It is difficult to imagine a more effective tool for enhancing your case presentation...A Bar study reported "The combination of verbal and visual delivery is remembered six times as effectively as verbal delivery alone".
- 5-** Scott was the pioneer who wrote 2 Papers suggesting American Judge's animations admissibility questions, based on 12 Law books of "Federal Evidence Rules" precedents, for Attorney Kendall Few to present live to the National Institute For Trial Advocacy (NITA), annual meeting in Keystone, Colorado. Kendall was awarded the Southern Trial Lawyers Warhorse Award, has been referred to as a "widely respected trial lawyer" by CBS 60 Minutes, and recognized as an automotive safety "Watchdog" by Automotive News.
- 6-** 87% of cases settled before trial (if finished 1 month before trial), 9% "won" in trial, in his 2009 study.
- 7-** Trucking cases equaled 61% of animations programming hours, as found in his 2009 study.
- 8-** As a pioneer he testified for 1st animations jury viewing in SC, and many other states.
- 9-** He was qualified as an Expert for Animations of Reconstructions, in Federal, State, and Criminal Courts.
- 10- Clients have received large financial savings for cases**, since,
 - Scott seldom needs to visit an accident or 3D crime site (relying upon Google Earth photos/distances, statements, diagrams, photos, expert's reconstructions, local photographers, etc.).
 - He seldom is asked for a deposition before early settlement, since 87% settle before trial.
 - If funded, he can complete case theory in a report or by phone, explaining in detail why animations agree with evidence, witness testimony, Accident Reconstruction physics formulas, research papers, and books.
 - If funded, in his report or conversation, he explains why significantly different theories are unlikely.
 - Many attorneys say, they may request a deposition later, if early settlement is unsuccessful.
- 11-** Return on investment usually returns costs several times over, many tenfold, and some greater.

12- Attorneys and experts in 38 states, report they can justify requests for more equitable settlement amounts, enabling settling before trial, avoiding trial time, and trial risks.



13- Expansion of #4 above- I am honored that the Honorable Federal Judge G. Ross Anderson invited me to present 15 animations with him in 2 CLEs, first at an Annual SC Trial Lawyers Convention at Hilton Head Island, where he stated "**Computer animation allows attorneys [and Experts] to convert witnesses' verbal testimony into dynamic, visual demonstrations capable of mentally transporting jurors to the scene. It is difficult to imagine a more effective tool for enhancing your case presentation.**" He also stated in a trial transcript- "**animation would show in approximately two minutes the... entire theory of the case and the testimony of the expert, along with that of numerous other eye witnesses which would otherwise probably take two days of trial time.**" An American Bar Association study discovered that, "**after three days...the combination of verbal and visual delivery of information is remembered six times as effectively as verbal delivery alone.**"

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Mr. Taylor's pre animations achievements highlights are next- Documents of authenticity proof are available for court judges, of most academic test scores, IQ, performance evaluations, quotes, articles, etc.

At age 13 he became the **youngest Eagle Scout (by one year less than the youngest other Eagle)** in a city of 72,000 people- and he passed 36 verbal exams. He started a business as breeder and seller of tropical fish, and moth's caterpillars. He set the records for Jr. High School "push ups", and High School "rope climb". At age 17 he taught himself Scuba Diving and night underwater navigation. He was a Minnesota YMCA week canoe trips guide. His Purdue Engineering entrance aptitude test was 98% in Mathematics Formulations. He scored **99% in Mathematics Usage on a Merit Scholarship Exam.** He learned **Purdue Engineering Physics, Mathematics, Operations Research, and A.I. Artificial Intelligence** (of Statistics, Simulations, Linear Programming, math models, CPM Critical Path Method, etc.). He invented a geometric method to optimize shop floor layouts, which was >96% accurate to the computer A.I.. he fulfilled his Fraternity positions as Pledge Class President, Pledges Trainer, Activities Chairman, Rush Chairman, Publicity Chairman, Big Brother for 5 pledges, as well as annual Waterfalls Dance Manager. He also was a Sailing Racing Team member, Pledges President of Purdue Skull and Crescent Activities Honorary, and a member of both the Junior Intrafraternity Council and Student Union. Also owned/operated 2 concessions of Cigarettes and Laundry.

At age 22, Mr. Taylor scored an **IQ of "A" on an IBM employment IQ PAT Programmers Aptitude Test for being hired.** He tested into 2 NAVY schools, and in 11 months graduated from Officers School and Supply Corps School, and volunteered for an optional Navy "Supply Advanced Data Processing Course", of 16 hours = 3 hours university credit. A NAVY background investigation qualified for "**Top Secret Security Clearance**", and being an A.I. Cryptography Officer, paymaster with \$2.6 million cash, winning as defense attorney in defense of a sailor, and achieved "Lieutenant" rank (highest achievable in 3 years). Volunteered A.I. statistics to find the most efficient correction of ship parts inventory accuracy. **For the NAVY FBI, he proved who was a pay line criminal (with A.I. methods of statistics, set theory logic, serial numbers, and computer results).** He volunteered to program a computerized "Ship Decommissioning A.I. Control System".

He was twice categorized on two Navy ships as "**One of the top few" officers for promotion.** His first NAVY ship Captain's evaluations of him were, "**Taylor...eagerly studied and practiced, to complete all tasks to qualify for the title of "OOD Officer On Deck** to navigate and drive our LST ship, including

difficult night stars navigation)."..."**The most important remembrance of Scott was his irrepressible enthusiasm and his ability to complete every task efficiently and completely, no matter how difficult. He eagerly took on tasks in addition to his normally assigned duties.**" His second ship senior officer's evaluations of him included "**Taylor...personally designed, programmed, and produced an extremely sophisticated management system for the control of inactivation**"..."Taylor...had an article published in the Navy Supply Corps Newsletter"..."Taylor is an alert, intelligent young officer with an aggressive spirit seeking a worthy challenge"..."especially in the area of computer programming"..."Potentially, he is ear-marked as a truly outstanding officer." A quote from one of his NAVY computer staff members documents read "**what a good officer...you were...always fair and reasonable. I do not recall anyone in our division saying anything uncomplimentary about you or complaining about a poorly made decision. You always tried to motivate us to do our best.**"

Mr. Taylor scored an **IQ of 143 (= 1 in 278 people)**, on the GRE Graduate Schools Records Exam, in the Navy at age 26. By comparison, the average American university student has a 113 IQ equal to 1 in 5 people. Upon returning to IBM, **in his first IBM 7 weeks Basic Computer Course, he was elected President, and tested as #1 of 15 students**, in exams and 3 programmings. He sold, installed, and grew his applications showcases IBM accounts, of O. R. & A.I. programs- statistics for 12 cafeteria's food cost controls by food type, statistical sales forecasting, CPM Critical Path Method in 5 construction companies, CPM consulting for construction of the Alaska Pipeline, Linear Programming to optimize an oil refinery's profit, as well as most all Manufacturing and Distribution applications. He taught computer systems design programming courses focused on many client's companies. Over 6 years IBM promoted him to the highest title of "Senior Marketing Representative". In outside weekly 3 hour night classes he learned to **certify as CDP (Certificate In Data Processing, like a CPA,)** in an exam by DPMA, that only 38% of people passed in 1976 ("Wikipedia CDP").

Beyond Purdue he attended the equivalent of well over 2.6 years additional classroom college education, from IBM, Navy, DEC, Wang, and AutoDesk. For **DEC** (Digital Equipment Corp.), he designed for E.I. Dupont the largest of DEC's process control planned installations of \$36 million for 12 locations. Alone, he designed and built a secret Dupont prototype, without plans, for a **parabolic solar collector which converted 74% of sun heat**, and built a multiplexor to read temperatures into an Apple computer, updating the hot tub heating program, and control the solar collector. He **designed and taught Dupont programmers a week course of "Programing Process Control"**. **Corning (largest world Fiber Optics producer, high security)**, also bought Scott's Process Control system for world wide installations. He was rated the highest of 28 sales representatives after 5 years, and was promoted to the highest title of "Senior Marketing Representative".

He joined **MENSA "High IQ Society"** Board Of Directors (**his 143 IQ > 132 minimum**), and led camping and scuba trips. He was **co-author of the book "Synergistic Treatment of Industrial Waste"** for a **Department of Energy Research Contract**, and designed/programmed the math A.I. models. He wrote an **A.I. article "Expert Help For Expert Systems"** for the **National Mensa A.I. newsletter- "Synapse"**. He programmed a prototype data base Laboratory Production Information System for a local company, and a 72 reports data base comparative reporting system for an Association of 12 Jeweler's. He sold **21 installations of A.I. Expert Systems GURU programming (5 at Clemson University)**, programmed Expert applications prototypes for some, and programmed an A.I. statistical sales forecasting system for a large Corporation. He has programmed in **14 computer languages for ~ 705 programs** in Accounting and A.I. Artificial Intelligence (for Expert Systems, Statistics, Critical Path Method, Linear Programming, laptop client's life insurance actuarial screening with A.I, and A.I. LISP programming to maximize solar greenhouse heat. **He has programmed ~819 Accident Reconstructions Animations.**

He enjoys adventurous decades of (annual Rockies skiing, backpacking, snowshoeing, trout fishing, and horse camping), plus mountain climbing the Rockies 3 times over 13,700' (47% of climbers turn back), 2 long trips of- 21 days Canada canoe camping and 30 days Rockies back packing, 56 Scuba Dives globally to a maximum 170' depth, 4 Caribbean 1 week scuba spear fishing charters, and a VW RV for mountain biking and kayaking.

He researched 21 years, creating a private proprietary unshared encrypted A.I. health plan, and **from 7/17/2015 to 01/20/2019, health expert's A.I. methods computed his health variables as decreasing in body age from 53 to 39 years old**, compared to A.I. of >1,978 people. His global research includes medical, blood, herbal, exercise, spiritual, psychologic, philosophic, security, A.I., and more.

As to "**trustworthiness**", His USAA bank (United Services Automobile Association, largest military bank) listed his **Experian Credit Score as 739, "in the top two score ranks,...of 721-850"**) on 8/18/2018.



Below are Mr. Taylor's accomplishments, satisfying Federal Rule 702 (Daubert) qualifications in "any one or more" of 5 categories about civil or criminal reconstructions: 1. Experience, 2. Knowledge, 3. Education, 4. Skill. or 5. Training. He also complies with "Frye" requirements of Generally Accepted Analysis and Methodology for Animations of Accident Reconstructions.

1A. Experience- retained in 277 cases, **of Expert's Accident Reconstructions in 14 vehicles specialties, and 24 non vehicles categories, in 37 states.** Before programming animations, each of his cases required a physics accident reconstruction first, based upon evidence of created formulas (of time, distance, position and velocity), sketching velocity/time graphs, timing scripts, constructing vehicles and people, and constructing a 3D CAD accident site with visual evidence like skids. Animations are dynamic moving visual demonstrations of all evidence and physics formulas, transformed to videos looking like every day juror's experience and easily understood. Usually there is a report of what was relied upon for the animations.

• **Heavy trucking-** ~20 cases, 61% of animations hours as of 2009, 6 described at Scott's temporary trucking web site page @ <https://www.seakexperts.com/members/11000-scott-j-taylor>

• **Complex freeway multi-vehicle sequential accidents-** the most complex involved 5 trucks and 4 cars, for 11 impacts, whereas a simple accident has 2 vehicles and 2 impacts.

• **Cars and pickup trucks, not including heavy trucks** ~55 cases

• **3D crime scene reconstructions- of over 22 cases**, including 18 shootings with ~53 shots fired, 21 wall/window holes animation ballistic angles lined up, 3 cases involving police excessive force, gunpowder spray, knifing, wire strangling, shotgun blast, shells ejection pattern, and accidental shot.

• **Subtle night lighting involved in vehicle accidents-** ~15 cases,

• **Surprise 3 compounded delays of perception reaction time-** 1 case,

• **Motorcycles-** ~13 cases,

• **Whiplash neck & spine injuries-** using mathematics model for adaptation to cases, ~14 cases,

• **Vehicles and equipment products liability-** ~13 cases,

• **Explosions and fires-** vehicles and houses- ~12 cases

• **Forklifts-** ~11 cases,

• **Pedestrian accidents-** ~9 cases,

• **Trains collisions with vehicles-** ~7 cases

• **Rain/fog/snow/ice vehicle accidents-** ~6 cases,

• **Cranes and lifts-** ~5 cases,

• **Driver obscured visibility due to foliage liabilities-** ~5 cases,

• **Electrocutions-** 4 cases- people, circuit panels, and explosions,

• **Vehicles vaults-** ~3 cases,

• **Riding lawnmower product liability deaths-** 2 cases,

• **Other specialties produced-** Vehicle rollovers, falls from 2nd story, slip and falls, sailing failure to yield, flood of lowlands, Hurricane Hugo cottage waves damage, bicycle accident, nursing home inadequate care, scuba diver, sun glares, dog knocked toddler over, gyroscopic force encouraged vehicle tipover, NOA wind direction gaseous dispersion, saddle bag gas tank, hurricane trees behavior, and 2 Patent violations.

1B. Experience- Provided opinions in ~147 accidents reports and testimonies about,

• Vehicles paths, accelerations, decelerations, rotations, speeds, principal direction of force, initial point of contact, delta-V (velocity), roadway markings, final at rest, crush damage, distances, times, visibility, etc.

• Night visibility distances, lighting, variables affecting lighting visibility, and night background photos.

• Night lighting national precedent for judges to qualify admissibility accuracy for animations.

• Occupant kinematics in front and rear whiplash injuries, applied in over 14 whiplashes

• Foliage obstructed views, of trains, motorcycles, and vehicles.

1C. Experience - Scott's 1992 jury animations viewing, was appealed, and upheld by the "4th Circuit Appeals Court", setting precedent for the South Eastern states and America.

• **Scott's proven design of his first successful "Animations admissibility questions protocol"** was then used by him to obtain admissibility in GA, TN, and other states.

- **61% of billable reconstruction animations hours were in heavy trucking accidents (up to 2009)**
- **He is a "Malcomb Gladwell qualified expert with greater than 10,000 billable hours" as of 2009.**
- **The 180 vehicles cases reconstructed and animated, were often complicated,** such as-- gaseous dispersions of varying densities in a gas tanker truck explosion, exact foliage appearance and size representations, fires or explosions caused by impacts or other causes, animating gyroscopic precession forces dynamics, software diagnostic graphs of animation vehicle speeds accuracy, programming of front or rear end collision whiplash kinematics, rear view mirrors, a special A.I. programming technique for a 9 vehicle freeway chain reaction, night lighting animations calibration to a photograph with wide range of contrast visibility, etc.
- Scott was the only Accident Reconstructionist for ~36 of ~149 trucks and vehicles cases.

1D. Experience- 11 Experiments to scientifically quantify variables -

- **Physics study of car window glass shatter dispersions**, with shattered glass spills out the top of the front passenger window, to obtain glass dispersion distances from the road edge.
- **Night lighting of animated accident, national precedent admissibility standard**
- **Physics headlight visibility distance experiment**, of when a car was visible at hill crest, so that an animation would be accurate regarding time of visibility.
- **Night traffic experiment, to statistically determine the average location of 35 cars stopping and turning left into a gas station.**
- **Twilight sunset subtle night lighting experiment**, to photograph exact lighting luminance, hue, and saturation values of trailer visibility strips, and lights. The time matched time of accident relative to sunset.
- **Night reflectors and license plate visibility distance experiment.** This provided a reliable visibility distance, and a much more realistic and accurate animation view.
- **Photography and surveying experiment of foliage locations blocking visibility** of a train (warning signal lights mistakenly bagged), so animation foliage types and sizes matched exactly.
- **Photography experiment of visibility from a stop sign, of foliage blocking driver's vision.** The animation's driver view was then identically blocked by accurate sized foliage.
- **Night commercial district lighting photography, 3 sessions managed live by phone**, for accurate animations photographed backgrounds of what illegal J Walkers looked like running in front of cars.
- **Experiment of a hands held gyroscopic precession force model.** When jurors abruptly turned handles of a spinning child's bike tire, the tire tried to twist/roll at a ninety degree angle to the turn direction. This non obvious invisible powerful force, significantly contributes to rollover for "super lifted" trucks with large tires.
- **Physics experiment of a crane boom physical model to find average fall time and acceleration.**

2A. Knowledge- Publications and Lectures- • **Article in 8 state trial lawyers magazines**, about animations examples, case theory completion, expediting settlement, admissibility, ROI, etc.

- **2 Papers suggesting Judges animations admissibility questions**, based on 12 Law books of "Federal Evidence Rules", as requested by prominent Attorney Kendall Few to personally present to the **National Institute For Trial Advocacy**, annual meeting in Keystone, Colorado.
- **2 accident reconstruction animations papers written** for state and county CLE programs
- **Mr. Taylor has presented 12 lectures about animations**, usually for CLE credit

3A. Education- Purdue Engineering University, 1967 Bachelor of Science in Industrial Management (engineering math and A.I. statistics models applied to business), and a minor of Quantitative Methods (computerized O.R. and A.I. math modeling). **Scott's 36 credit hours relevant to accident reconstructions, equals 1 year of 2 semesters**, of University classroom courses, including:

- **Physics 152**, 4 hours credit, tested into advanced course (consolidating 6 hours course work). Including **Newtonian physics** used in accident reconstruction, acceleration/deceleration (of velocity, and rotations, rollovers), braking friction coefficients, momentum conservation, centrifugal force, etc.
- **Differential and integral calculus** 14 hours credit. Velocity = rate of distance change vs time, acceleration = rate of velocity change vs time, Momentum = mass x velocity
- **Mechanical drawing-** 3 hours credit. This course taught drawing to visualize 2D/3D perspectives, see how acceleration is the differential of velocity vs time, and velocity is the differential of distance vs time.
- **Engineering Science Aeronautical Engineering Statics and Dynamics 207**, 3 hours credit. Newtonian Physics of moving objects, resolving a force vector into components x, y, and z, over time. His experienced proof of this course occurred in his first Rockies skiing at Jackson Wyoming, where his ability escalated from intermediate to an expert skier, by imagining skiing force vectors, tuned one by one, until just a few vectors controlled skiing an expert steep slope in a "white out" blizzard of only 3' visibility, only by feeling the forces.
- **Quantitative A.I. Methods of applied optimization and applied statistics**, 305 306, 6 hours credit. Course examples could include industrial and electrical engineering, computer sciences, economics, statistics, and industrial engineering. Most all SAE physics research papers present statistical conclusions regarding

perception reaction times, braking/acceleration times, night visibility, distance, witness speed. etc.

- **Statistics A.I.** - 6 hours credit. Reconstructions use in analyzing vehicles motions range of variability and expected value, to understand studies, of witness estimates inaccuracy (distance, speed, and time).
- **A.I. Artificial Intelligence programming-** in several courses on Purdue's CDC Control Data Super Computer, of statistics, CPM Critical Path Method, Linear Programming, Shop Floor Layout, and more.

3B. Education- Independent publications studies, explain methodologies for Frye qualification.

- **109 back issues of "Accident Reconstruction Journal"**, 21 inches thick, gift from Expert Robert Taylor, Experts Accident Reconstruction manager, at the experts firm "Engineering Design and Testing"
- **"Traffic Accident Reconstruction fundamentals"**, 56 page book, gift from author, Expert Elvin Aycock
- **"Evidence In Traffic Crash Investigation and Reconstruction"**, 2006, 295 pages, \$60, Amazon
- **"Expert Testimony"**, \$176 188 pages book from Amazon.com, rating 4.5 of 5
- **"Crash Reconstruction For Prosecutors"**, 31 pages
- **"Low-Speed Automobile Accidents: Investigation & Documentation"**, whiplashes, 194 pages
- **"The Way Things Work (1 & 2)"**, books for study of physics such as Gyroscopic force
- **"Gray's Anatomy"**, study of body parts- for inserting X-rays into animations.
- **Many SAE Society Of Automotive Engineers papers about-** perception reaction time increases, inaccuracy of human estimates (distance, speed, time), whiplash, night visibility distance of people.

4. Skill- • IQ 143 = 1 in 278 people, on the GRE Graduate Schools Records Exam at age 26 in the Navy, and joined **"high IQ society" MENSA Board of Directors**. By comparison, the average American university student has a 113 IQ equal to 1 in 5 people.

- **99% aptitude in "Mathematical Usage"**, tested by pre college Merit Scholar exam
- **98% aptitude in "Mathematical Formulations"**, tested by Purdue Engineering entrance exam
- **"Top Secret Security Clearance"**, highest clearance, qualified in NAVY after background investigation
- **Over 88% of studied 230 cases in 2009 had satisfactory early settlement offers, and ~9% were considered won in trial**, which are due to skills of- **1.** Skillfully crafted animations visually demonstrating physics of the accident. **2.** simple and clear Accident Reconstruction reports logic of how the animations demonstrate evidence/statements, and **3.** Physics description of why alternative theories are unlikely.
- **Listed above are many proprietary examples of very complicated reconstructionist tasks**, including passing the leading edge of current expert's studies at that time, such as **1.** 9 vehicles sequential freeway accident, **2.** Twilight sunset subtle night lighting trucking experiment **3.** a whiplash model used for 14 cases, or **4.** wrote 2 reconstruction animations admissibility papers for presentation by attorney Kendall Few, live to NITA- the National Institute for Trial Advocacy, or **5.** proving admissibility testimony design in trial, for expert qualification, 1st animations viewing admissibility in many courts, and setting of national precedent.
- **One of countless examples of his technical skill**, was on a Navy carrier, where he used his A.I. to design a maintenance system of **98% of planned computer up time, the highest reported world wide**, starting at 61% without any instructions, and published the results in a NAVY magazine article, which is available.

5. Training- • 5 days animations programming, by AutoDesk (author of my animations software).

- **Accident reconstructionist apprentice in ~160 cases**, Scott studied under many state's popular Expert Accident Reconstructionists, and specialized experts. They provided physics formulas advice (crush velocity reduction, skidding friction, acceleration, etc.). Scott recalculated all variables for reasonableness of interrelated vehicles timings, programmed motion, and adjusted smoothness appearance.
- **Motorcycle expert accidents training-** of skid width vs braking intensity, by leading Expert and author.
- **7 accident site investigations as an apprentice**, with qualified Experts to obtain measurements, elevations, photographs, and visual inspection of scrapes & skids.
- **9 accident site investigations alone**, to obtain measurements, photographs, etc.

Mr. Taylor looks forward to starting programming Animations for your case Reconstructions.

Thank you,

Mr. Scott J. Taylor, CDP, has been retained for 278 cases in 38 states