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## ***Jonathan Clayton Coleman***

### **Specialized Professional Competence**

- Vehicle Dynamics testing, simulation and instrumentation
- Mechanical and electrical vehicle failure mode analysis and accident reconstruction.
- Computer aided design, simulation, testing and correlation of automotive suspension, chassis, braking, powertrain, and electronics systems.
- Design, specification, and operation of data acquisition systems

### **Professional Qualifications**

- Bachelor of Science (Mechanical Engineering), Auburn University, 2006
- Certificate in Automotive Engineering, Auburn University, 2006  
Courses included: Vehicle Design, Engine Design and Vehicle Dynamics
- Graduate Engineer – 2006 to present  
Tandy Engineering and Associates, Inc.
- Harley Davidson, Talladega Test Facility, Engineering Co-Op, 2003-2004  
Instrumentation, calibration, and homologation of test motorcycles  
Developed multiplexed wireless and synchronized micro video camera system  
Designed V-box GPS mapping script, custom digital filters, and lean angle test fixtures
- Auburn University Formula S.A.E. 2003 to 2006  
Team Captain, 2006  
Brakes section leader, 2006  
Electronics section leader, 2005 and 2006  
Fuel injection calibration leader, 2005 and 2006  
Pneumatic shifting and traction control leader, 2005 and 2006
- Claude Rouelle 3-day vehicle dynamics seminar, Detroit Mi 2005
- Skip Barber 3-day Advanced racing school and competition license, Monterey Ca 2005
- Honors and Awards- Society of Automotive Engineers Outstanding Student, 6<sup>th</sup> place overall  
FSAE west 2006, 2<sup>nd</sup> place in design, 2<sup>nd</sup> Place Continental Teeves Brake Design Competition,  
CACC physics department most likely to succeed, Valedictorian
- Memberships- Society of Automotive Engineers Member, 2002-current, American Motorcycle Association (AMA), Sports Car Club of America (SCCA), Cupola engineering society, Golden Key, Tou Sigma