

CLARK MOODY

(713) 568-6234

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EXPERIENCE

Master's of Science Research, Texas A&M University

Real-time robotic software architecture development with a focus on human-robot interaction. Designed robot steering laws and user interfaces. Integrated external sensors. *Robot hardware*: iRobot Create, Mobile Robots Pioneer 3-AT. *Sensors*: URG-04LX and SICK LMS-200 laser rangefinders, TikiTag RFID reader, VisNav infrared sensor. *External localization systems*: Vicon, Metris iGPS, PhaseSpace.
Fall 2008 – Present / College Station, TX

Summer Internship, Boeing Flutter Group

Learned the Boeing flutter analysis process and tools. Performed an independent analysis of a 737-500.
May 2008 – August 2008 / Everett, WA

Summer Internship, Boeing Interiors Integration

Involved in the commercial aircraft interiors design and change process.
May 2007 – August 2007 / Everett, WA

SKILLS

- Computer Programming and Numerical Methods in C++, MATLAB, Python 2.x
- Website Design with HTML 5, CSS 3, JavaScript; 10 years experience
- Adobe Photoshop – photo retouching, paths and masking, actions programming; 8 years experience
- Solid Modeling in SolidWorks: designed flying RC model of senior design project

EDUCATION

Texas A&M University, College Station, TX

Master of Science in Aerospace Engineering expected May 2010.

Thesis: *A Tabletop Demonstrator of Single Gimbal Control Moment Gyro Steering Laws*

Advised by Johnny Hurtado (jehurtado@tamu.edu) and John Valasek (valasek@tamu.edu)

Texas A&M University, College Station, TX

Bachelor of Science in Aerospace Engineering, Magna Cum Laude, May 2008.

Awards: President's Endowed Scholarship & Director's Excellence Award, 2004-2008. National Merit Scholarship, 2004-2005. Dean's Honor Award, Dwight Look College of Engineering, 2004-2008.