

Graham Grable

ggrable@uga.edu · (706) 612-4719 · www.grahamgrable.space

Education

The University of Georgia, Athens, GA

- Bachelor of Science in Mechanical Engineering, May 2018
- Zell Miller Scholarship Recipient
- Cumulative GPA: 3.59
- Relevant Classwork: Calculus (Integral, Multivariable, and Differential), Circuits, Dynamics, Numerical Methods, Statics, Thermodynamics, Materials, Heat Transfer, Linear Systems, Feedback Control, and Strength of Materials.

Work Experience

Small Satellite Research Laboratory, University of Georgia, Athens, GA

September 2015-Current

SPOC Mechanical Team Lead

- Leading a team of five mechanical engineers to build UGA's first satellite under **NASA USIP-2**.
- Performing satellite thermal, inertial, modal, and response spectrum analysis with **ANSYS, Thermal Desktop** and **MATLAB**.
- Developing space-grade hyperspectral payload in **CODE V** and **FRED**.
- Designing the satellite from a systems engineering perspective with **Autodesk Inventor**.
- Performing day-in-the-life simulations in **STK**.
- Assisting with development of **AFRL UNP-9** sponsored mission, MOCI.

University of Georgia Nanostructure Lab, University of Georgia, Athens, GA

August 2013-May 2014

Intern

- Optimized nanoscale monolayer construction methods for quick and uniform self-assembly.
- Studied different nanostructures and their optical properties for nanotechnology with **Origin**.

App Developer, Watkinsville, GA

August 2010-December 2014

Owner & Head Programmer

- Designed financial calculator application for use on iPhone.
- Familiar with **Objective-C**.

Community Activities

Athens Science Observer, University of Georgia, Athens, GA

Podcaster, December 2014-Current

- Produce educational science & engineering podcasts for a general audience.

Inventure, Watkinsville, GA

Team Leader, August 2013-May 2014

- Created and presented a virtual reality concept in one year to present at the Georgia Tech Inventure competition.

Accomplishments

AIAA Student Conference Paper Presentation, University of Georgia, March 2017

Fall 2016 Research Assistantship, University of Georgia, August 2016

SpaceX CRS-9 NASA Social Attendee, July 2016

Technician Class Amateur Radio Operator (KM4VFF), July 2016

Summer 2016 Research Fellowship, University of Georgia, May 2016

Intern Research Symposium Grand Prize Winner, University of Georgia, December 2013

Eagle Scout, November 2009