

## Quinlan Monk

Current Address:  
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### EDUCATION

**Vanderbilt University**, Nashville, TN, May 2016

- Bachelor of Engineering in Mechanical Engineering, Double Major in Mathematics GPA 3.85
- National Merit Scholar / Illinois State Scholar
- Eagle Scout

### EMPLOYMENT

**Vanderbilt University:** Bellan Lab for Advanced Materials

Research Assistant

Fall 2013 - Fall 2014, ongoing

- Modified a 3-D printer to print new materials (polymer solutions)
- Designed, fabricated, and assembled parts for various 3-D printing configurations
- Ongoing work: optimization of printer, application of printer products

**Vanderbilt University:** Machine Shop

Teaching Assistant

Fall 2014, Fall 2015

- Oversee small-group machining labs (2-4 students), ensure safe practices in shop

### EXTRACURRICULAR

**Vanderbilt Aerospace Club**

Consulting Engineer

Fall 2015

- Ground-based testing of a monopropellant thruster

**Vanderbilt School of Engineering Design Studio**

Mentor

Spring 2014 - Fall 2014

- Assists studio patrons in the safe and effective use of hand and power tools
- Troubleshoot and repair 3D printers and other equipment

**Vanderbilt ASME Chapter**

Vice President

Fall 2014

- Oversee and plan chapter functions, aid president in chapter management

**Study Abroad - Georgia Tech Lorraine in Metz, France**

Spring 2015

### SKILLS/APPLICABLE CLASSWORK

**Skills/Programs:**

- Machining, Additive Manufacturing, Creo Parametric (CAD), MATLAB, Java (basic skills), Microsoft Office, Pronterface, Slic3r, R

**Applicable Classwork:**

- Machine Analysis and Design, Intro to Robotics, Instrumentation, Machining Lab