

Cole McCollum

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EDUCATION

Bucknell University - Lewisburg, PA

Expected graduation May 2017

- Degree: B.S. in Mechanical Engineering
 - Winner of the Bucknell Business Pitch Competition '14
 - Selected to participate in the Interdisciplinary Senior Design program
 - Worked with *Procter and Gamble* to automate manufacturing processes
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EXPERIENCE

Bioengineering Intern at Notable Labs - San Francisco, CA

May - August 2016



- Designed and built an automated fridge for a cancer treatment test
- Created 3D printed parts and a pumping system to clean lab instruments
- Wrote scripts in Python and C# to interface the lab software with a REST API
- Developed processes to move a SCARA robot between instruments
- Helped redesign the testing lab and built 6 industrial tables to support the robots

Mechanical Engineering Intern at Quirky Inc. - New York, NY

June - August 2015



- Designed and prototyped products for partner companies: GE and Mattel
- Used Arduino, a machine shop, and 3D printers to rapidly prototype
- Helped patent an LED light bulb configuration using SolidWorks
- Created a prototype of a self-driving and drawing robotic car
- Researched and presented manufacturing BOMs in product evaluation meetings

Founder of Take a Five - Lewisburg, PA

May 2015 - Present



- Created a profitable productivity web app and chrome extension
- Featured on Business Insider, Product Hunt, the front page of reddit, and Life Hacker
- Designed and developed TakeAFive.com with HTML, CSS, JavaScript/jQuery
- Achieved over 25,000 average monthly users with steady growth

Trip Leader and Tour Guide - Bucknell University

August 2013 - Present



- Hold two on-campus jobs: a Pre-Orientation Leader and an Admissions Tour Guide
 - Lead incoming freshman on 5-day excursions in the wilderness every year
 - Received extensive leadership training and certified in Wilderness First Aid and CPR
 - Gained public speaking skills from giving tours to prospective students and parents
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SKILLS

Software

- SolidWorks, Python, MATLAB, Arduino, HTML, CSS, JavaScript, jQuery, Onshape, ANSYS, LabView
- *Experience with:* C#, Ruby/Ruby on Rails

Hardware

- 3D printing, CNC, 80/20, robotics, laser cutting, milling, lathing, soldering, MIG Welding, woodworking, hydraulics, circuitry, various testing equipment
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HOBBIES

- Playing multiple instruments, Building go-karts, Reading, Hiking, and Baseball