

Simon Milburn

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EDUCATION *Bachelor of Science, Computer Science* Expected December 2016
University of Maryland, College Park, MD

- Inducted member of Environment, Technology, and Economy Scholars Program
- Minor in GIS

Languages: Java, C, Python, JavaScript, PHP

Software Platforms: Linux, Heroku, Vagrant

Software Frameworks: Git/Github, MySQL, ROS, Junit, AutoCAD, ArcGIS

Hardware: Raspberry Pi, Arduino, Intel Edison

ACTIVITIES *Hackathons*

- Bitcamp Spring 2016
 - Worked with 2 colleagues in 36 hours to create a virtual-reality language learning app using Unity
- Bitcamp: Social Radar Best Hack Spring 2014
 - Using SocialRadar's location-based API, designed and created a web service for meeting local professionals with common interests.

Robotics Spring 2016
University of Maryland

- Using OpenCV for image detection/recognition, autonomously control mobile robots through obstacle course
- Implemented and experimented with multiple different path planning algorithms

LEADERSHIP EXPERIENCES Team leader of Career Connect, an award-winning team at Bitcamp 2014

- Responsible for managing workflow through git, creating design documents, and integrated SocialRadar's API with our app
- Was able to see when our original app was not viable and call for a change of plan

Instructional Bicycle Mechanic, leading groups 5-20 students on trips in DC area

- Trips focus on group development and safety
- Educate participants about basic bicycle maintenance

WORK EXPERIENCE *University of Maryland Materials Store* September 2012-December 2015
Office and Machinist Assistant

- Improved efficiency of customer order by setting up online orders
- Converted customer order process to 100% paperless
- Responsible for machining materials to customers' specifications

Maryland Science Center June-August 2013 and January 2014
Public Programmer

- Lead daily public science demonstrations to groups of 100+ visitors
- Gave small scale demonstrations on more advanced topics