

ELIJAH BOSLEY elijahbosley.com

ekbosley@gmail.com | (434) 825-4109 | github.com/elibosley | Charlottesville, Virginia

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY

August 2015 – May 2020

GPA 3.7, Dean's List (all semesters)

BS Software Engineering: Honors Program

PROFESSIONAL EXPERIENCE

WILLOWTREE APPS Software Engineering Intern

Starting May 2017

- Accepted offer with Android mobile apps team

ROCHESTER INSTITUTE OF TECHNOLOGY Research Assistant August 2016 – December 2016

- Developed a collaboration tool for the curation of software vulnerability history data
- Designed front-end timeline used for data visualization using D3 and jQuery

TECH DYNAMISM Software Engineering Intern

May 2016 – August 2016

- Expanded a web application for managing a large scope of organization related tasks
- Wrote code, fixed issues, and created unit tests for commercial software

SELF-EMPLOYED Computer Programming Mentor

June 2015 – August 2015

- Mentored a 9th grade student in the Java programming language
- Implemented a dynamic lighting system for mentee's video-game

NORTHROP GRUMMAN High School Involvement Program (HIP)

August 2012 – May 2013

- Created a first-person-camera system UAV as part of a two-person team
- Designed a system that used a radio frequency transmitter and receiver to transmit video signals to the aircraft

PROJECTS

HEALTHNET

August 2016 – December 2016

- Team leader of a team tasked with building a health tracking system in Django
- Oversaw major design decisions and development hurdles as well as logistics

ARDUINO DOOR LOCK

September 2015 – May 2016

- Made a lock for a dorm room that allowed access through the internet as well as NFC
- Built web based control panel using PHP and Processing to view lock status

LEADERSHIP

SOCIETY OF SOFTWARE ENGINEERS Talks Head

August 2016 – December 2016

- Mentorship and social society with over 50 active members
- Organized talks with students and faculty about various technical subjects

FIRST ROBOTICS FTC Team Defying Gravity: Build Team Co-Leader

August 2012 – May 2013

- Virginia State Champion, Regional Inspire Award and Winning Alliance Award Recipient
- Worked in a team to design, build, and program a treaded robot

SKILLS

Experienced with: Java, Python, Ruby, HTML, Arduino, Git, JavaScript, Django, Processing

Exposed to: C, SQL, Android, Rails, Clojure

- **Tools and Knowledge:** Unix Shell, SSMS, Vim, .Net, JQuery, Angular, D3, Github