

ELIJAH BOSLEY elijahbosley.com

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EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY

August 2015 – May 2020

GPA 3.7, Major GPA: 4.0, Dean's List (all semesters)

BS Software Engineering: Honors Program

Objective: Seeking a position as a Software Engineering Intern in Spring or Summer of 2017

PROFESSIONAL EXPERIENCE

ROCHESTER INSTITUTE OF TECHNOLOGY Research Assistant

August 2016 – Present

- Developing 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

- Developed a web application for managing a large scope of organization related tasks
- Improved site layout, wrote production code, created unit tests
- Participated in scrum development as a member of the development team

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

HOLODESK

September 2016 – Present

- Interactive touch screen display using a Kinect and projector
- Writing code to improve touch detection using Arduino and ADXL345 accelerometers

ANDROID TEXT CLOCK WIDGET

July 2016 – September 2016

- Developed and published a widget for Android that displays the time as text
- Included features like font customization, text style, and color

ARDUINO DOOR LOCK

September 2015 – May 2016

- Made a lock for a dorm room that allowed access through the internet as well as NFC
- Implemented serial protocol with processing to display door status and receive data

LEADERSHIP

SOCIETY OF SOFTWARE ENGINEERS Talks Head

August 2016 – Present

- Mentorship and social society with over 50 active members
- Organized talks with students and faculty about many fields of interest

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 16-inch cubed treaded robot
- Designed dual-motor geared drive system to maximize speed and power with treads

SKILLS

Experienced with: Java, Python, Ruby, C, HTML, Arduino, Git, JavaScript

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

TOOLS AND KNOWLEDGE: Unix Shell, SSMS, Vim, .Net, JQuery, Angular, D3, Github