

# ELIJAH BOSLEY [elijahbosley.com](http://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

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

### SELF-EMPLOYED Computer Programming Mentor

June 2015 – August 2015

- Mentored a 9<sup>th</sup> 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

- Member of a team building a touch screen display using a projector and Kinect
- 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