

# Ryan Sheehan

## Full-Stack Developer

📞 (610) 800-0318 @ rsheeh03@tufts.edu 🌐 www.ryanwsheehan.com 📍 Medford, Massachusetts



### EXPERIENCE

## Front-End Developer

**The Tufts Daily** 2017 - Ongoing Medford, Massachusetts

No. 7 ranked college newspaper in the nation

- Translated UI/UX design wireframes into actual code with regular deadline

## Co-Founder & CTO

**Tomorrow, Today** 2017 - Ongoing Cambridge, Massachusetts

Leveraging current technology to aid in the opioid crisis.

- First place at Health Innovators Boston pitch night.
- Created an online community for recovering addicts (addictlike.me)
- Currently working with a number of detox centers in the greater Boston area to build a bed finder application using Amazon dash buttons and an SQL database.

## Assistant Software Engineer

**Advanced Engineering Group** 06/2017 - 08/2017 Providence, Rhode Island

Professional services in the fields of site/civil engineering.

- Designed and oversaw the development of two productivity utilities that are now used in-house daily.

## Lab Assistant

**University of Pennsylvania** 01/2016 - 04/2017 Philadelphia, Pennsylvania

Researched molecular models for use in pharmaceutical settings under the guidance of Dr. Amish Patel.

- Worked with a team to optimize a docking/scoring algorithm for protein-ligand interactions in Python.
- Developed an effective sorting strategy for handling a database of the 90,000+ protein structures.

## Full-Stack Developer

**Freelance** 2015 - Ongoing Anywhere and everywhere

Ryan provides active contributions to a number of development teams in addition to committed work on his side projects.

- Possesses an intimate knowledge of industry standards and practices through personal research and experience as well as through regular discussion with individuals currently in the industry themselves.
- Is currently doing site development for three University publications: The Tufts Daily, The Enigma and Currents Magazine, as well as fulfilling a contract job involving database architecture for a professor at Tufts.

### SKILLS

Javascript, React.js, Node.js

C++ & TypeScript

Webpack, GraphQL, Firebase

AWS & Docker

### STRENGTHS

#### ★ Adobe Creative Suite

Self-taught for a number of personal projects. Uses Illustrator, Photoshop, and Dreamweaver on a near daily basis.

#### 🎥 Video Production

Directed a mini-documentary about an art collective in Philadelphia for a class at Swarthmore College. Ryan is proficient in Final Cut Pro in addition to Adobe Premiere, and has completed several projects on commission.

#### 🔌 Embedded Systems

Began a small business out of his dorm selling a micro-controller device that is able to unlock doors remotely from a student's phone, drastically reducing the number of lockouts.

### EDUCATION

## Computer Science

**Tufts University School of Engineering**

2017 - Ongoing

## Linguistics

**Swarthmore College**

2016 - 2017

### PROJECTS

## Instances and Intervals

09/2017 - 10/2017 Somerville, Massachusetts

Accepted submission to the Polykhroma art collective combining classical piano, Adobe After Effects animations and JavaScript. (instancesandintervals.com)

## Rescue Bot - Boston

10/2017 - 11/2017 Cambridge, Massachusetts

Created a chatbot that provides aid to a user who has come across an unconscious peer in a college environment. The chatbot provides the relevant institution emergency numbers based on geo-location and walks the user through what to do in the meantime. (https://www.facebook.com/Rescue-Bot-Boston-495448150824913/)