

# Ryan Sheehan

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## EXPERIENCE

### Software Engineer

**Point Pickup** 06/2018 - Ongoing   Greenwich, CT

Platform for both middle-mile and same-day, last-mile delivery solutions.

- Converted a static site to a dynamic PHP site using a CodeIgniter framework and CMS implementation.

### Front-End Developer

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

No. 7 ranked college newspaper in the nation.

- Translated UI/UX design wireframes into functioning web pages written in HTML5, Sass, and JavaScript with a weekly deadline.

### Co-Founder & CTO

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

Leveraging current technology to aid in the opioid crisis.

- 1st place at Health Innovators Boston pitch night.
- Created an online community for recovering addicts (addictslike.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 written in Python that are now used daily to get municipal data.
- Worked with Matlab and NumPy daily to verify AutoCAD drafts and interface with a local database.

### Lab Assistant

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

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

- 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.

- Currently doing site development for three University publications: The Tufts Daily, The Enigma and Currents Magazine.

## SKILLS

Javascript, React.js, Node.js

C++, TypeScript, Python

Webpack, GraphQL, Firebase

AWS & Docker

## STRENGTHS

### ★ Adobe Creative Suite

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 (<https://goo.gl/ZzjA1y>). 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 students phone, drastically reducing the number of lockouts.

## EDUCATION

### Computer Science

**Tufts University School of Engineering**

2017 - Ongoing

- COMP15: Data Structures
- COMP61: Discrete Mathematics
- EXP67: Tech Trends (covers algorithms)

### 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 a JavaScript web implementation. ([instancesandintervals.com](https://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 (<https://goo.gl/hC8mYZ>)

### swatch

12/2017 - 01/2018   Providence, RI

Python program that processes videos and returns its color palette. (<https://goo.gl/w5XbXq>)