Ryan Sheehan

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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 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 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.
- Currently doing site development for three University publications: The Tufts Daily, The Enigma and Currents Magazine.
- Currently fulfilling a contract job involving database architecture for a professor at Tufts.

SKILLS

Javascript, React.js, Node.js

C++, TypeScript, Python

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 (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

- COMP11: Introduction to Computer Science
- COMP15: Data Structures
- COMP61: Discrete Mathematics
- EXP67: Tech Trends (covers algorithms)

Linguistics

Swarthmore College

2016 - 2017

PROJECTS

Instances and Intervals
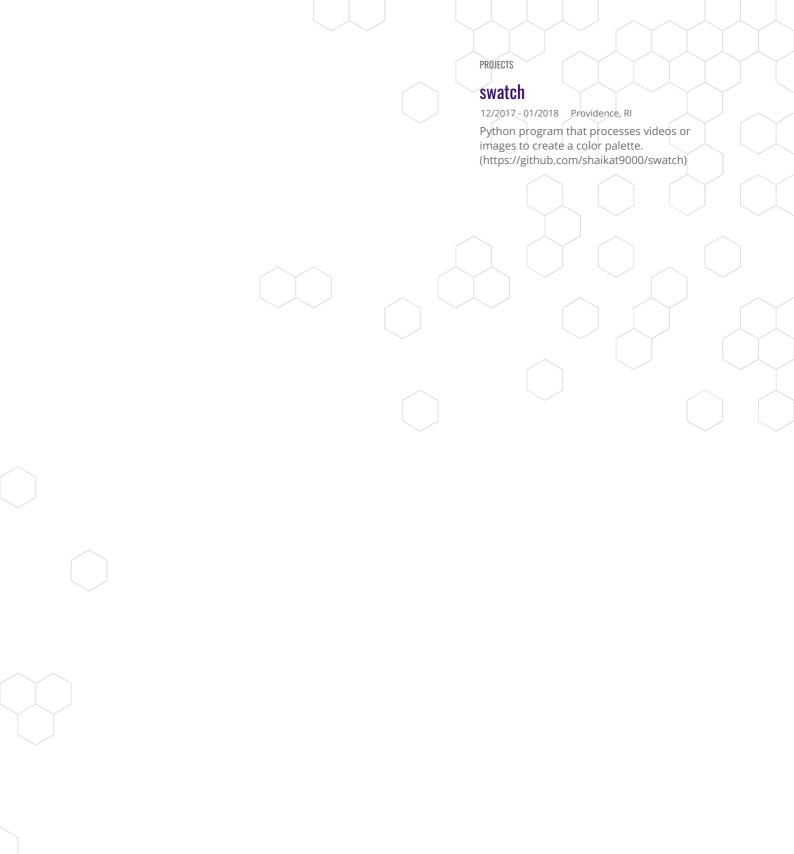
09/2017 - 10/2017   Somerville, Massachusetts

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

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://www.facebook.com/Rescue-Bot-Boston-495448150824913/)

swatch

12/2017 - 01/2018   Providence, RI

Python program that processes videos or images to create a color palette. (https://github.com/shaikat9000/swatch)