

Eli Schiff

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EDUCATION

Rensselaer Polytechnic Institute

B.S. Computer Science, Minor in Economics

GPA 3.76 (3.91 in major) (Dean's Honor List: Fall 18, Fall 19, Spring 20)

Rensselaer Leadership Award

Troy, NY

Expected Graduation: 2022

EXPERIENCE

Intern at Optum (UnitedHealth Group)

Boston, MA — Summer 2019

- o Developed Python program to monitor file changes on a 150tb Hadoop Cluster to assist with data governance
- o Worked on a Python program to verify files were successfully migrated from one server to another
- o Received first place in a company-wide hackathon with over 80 employees and interns for the development of an API to simplify access to Individual Health Records

Intern at Coursera, Inc.

New York, NY — Summer 2018 and Fall 2020

- o Implemented multiple dynamic pages using Vue.js including a custom form similar to Google Forms
- o Designed and wrote a Python script used to collect emails and names for marketing purposes
- o Assisted in preparation for application and then acceptance into the Y Combinator Incubator

Instructor at Advanced Mechatronics for Kids

New York, NY — 2014-2018

- o Worked one afternoon a week and on ad hoc basis to teach engineering, robotics, and computer science in after-school STEM educational program

LEADERSHIP

Data Structures Undergraduate TA

Spring 2019-Present

- o Run weekly labs and office hours to assist students in learning C++ and Data Structures

Upsilon Pi Epsilon (Computer Science Honor Society)

Fall 2019-Present

- o Help run exam review sessions before all freshman level computer science exams

Undergraduate Curriculum Committee

Spring 2019-Spring 2020

- o Freshman and Sophomore representative elected by classmates to vote on computer science curriculum changes

PROJECTS

QuACS Course Scheduler

<https://quacs.org>

- o Mobile friendly website/pwa to find and schedule which courses to take at RPI
- o Automatically checks for missing prerequisites and course time conflicts
- o Actively used by hundreds of RPI students across all majors
- o Developed in Vue.js along with WebAssembly and Web Workers
- o Nightly refreshes of course data using python scripts running on GitHub actions

Submittly

<https://github.com/Submittly/Submittly>

- o Open source programming and assignment submission website developed at RPI
- o Implementing an online queue to keep track of students who need help during office hours and provide analytics for instructors to understand how to allocate resources to best help students

Rubber Duck Discord Bot

<https://rpi.chat/code>

- o Fully-featured Python moderation bot for 1,400+ member RPI focused Discord chat server
- o Hosted on Google Cloud using Gitlab continuous integration and continuous deployment

SKILLS

Programming Languages

- o C++, Python, Vue.js, JavaScript, Java, SQL, PHP, Node

Technical Knowledge

- o Git, Linux, GitHub Actions