Eli Schiff

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EDUCATION

Rensselaer Polytechnic Institute   **Troy, NY**
B.S. Computer Science, Minor in Economics   *Expected Graduation: 2022*
GPA 3.64 (Dean's Honor List: Fall 2018)
Rensselaer Leadership Award

EXPERIENCE

Intern at Optum (UnitedHealth Group)   *Boston, MA — Summer 2019*
- Developed Python program to monitor file changes on a 150tb Hadoop Cluster to assist with data governance
- Worked on a Python program to verify files were successfully migrated from one server to another
- 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 Coursedog, Inc.   *New York, NY — Summer 2018*
- Implemented multiple dynamic pages using Vue.js including a custom form similar to Google Forms
- Designed and wrote a Python script used to collect emails and names for marketing purposes
- Assisted in preparation for application and then acceptance into the Y Combinator Incubator

Instructor at Advanced Mechatronics for Kids   *New York, NY — 2014-2018*
- 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 Mentor (Undergraduate Teaching Assistant)   *Spring 2019-Present*
- Run weekly labs (70+ students) and office hours to assist students in learning C++ and Data Structures

Undergraduate Curriculum Committee   *Spring 2019-Present*
- Freshman and Sophomore representative elected by classmates to review computer science curriculum changes

UPE (Computer Science Honor Society)   *Fall 2019-Present*
- UPE runs multiple computer science related events at RPI including: coding competitions, exam review sessions, and more

PROJECTS

Rubber Duck Discord Bot   https://rpi.chat/code
- Fully-featured Python moderation bot for 1000+ member RPI focused Discord chat server
- Hosted on Google Cloud using Gitlab continuous integration and continuous deployment
- Provides many useful functions such as rendering LaTeX directly in the chat

Submitty   https://github.com/Submitty/Submitty
- Submitty is an open source programming assignment submission system developed at RPI
- My main project has been implementing a online queue to keep track of students who need help during office hours
- The queue also collects analytics to help instructors better understand how to allocate resources to best help students

Easy Time Sheet   https://github.com/elihschiff/easy-time-sheet
- Mobile friendly website to clock in and out of work
- Automatically calculates when to leave based on clock in time and length of lunch
- Cloud sync to node.js server allowing access across multiple devices

SKILLS

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

Technical Knowledge
- Git, Linux, Google Cloud