

# Eli Schiff

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## EDUCATION

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### Rensselaer Polytechnic Institute

*B.S. Computer Science, Minor in Economics*

GPA 3.65 (3.86 in major) (Dean's Honor List: Fall 2018, Fall 2019)

Rensselaer Leadership Award

**Troy, NY**

*Expected Graduation: 2022*

## EXPERIENCE

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### 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 Coursera, 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

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### Data Structures Undergraduate Mentor

*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 represent students in proposed computer science curriculum changes

### Upsilon Pi Epsilon (Computer Science Honor Society)

*Fall 2019-Present*

- UPE runs multiple computer science related community events including coding competitions and exam review sessions

## PROJECTS

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### Rubber Duck Discord Bot

<https://rpi.chat/code>

- Fully-featured Python moderation bot for 1,000+ 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

### Submittity

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

- Open source programming and assignment submission website developed at RPI
- 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

### 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

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### Programming Languages

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

### Technical Knowledge

- Git, Linux, Google Cloud