

# Eli Schiff

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## EDUCATION

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### 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

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### 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

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### 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

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### QuACS Course Scheduler

<https://quacs.org>

- o Open source, 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

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### Programming Languages

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

### Technical Knowledge

- o Git, Linux, GitHub Actions