

Eli Schiff

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EDUCATION

Rensselaer Polytechnic Institute

B.S. Computer Science, Minor in Economics

GPA 3.78 (3.92 in major) (Dean's Honor List: Fall 18, Fall 19, Spring 20, Summer 20)

Rensselaer Leadership Award

Troy, NY

Expected Graduation: Fall 2021

EXPERIENCE

Intern at Courshedog, Inc.

New York, NY — Summer 2018 and Fall 2020

- Increased test coverage using the Jest unit testing framework as well as Cypress E2E tests
- Designed a Python script used to collect emails and names for marketing purposes
- Developed new pages and features using Vue.js including a custom form similar to Google Forms

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

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

PROJECTS

QuACS Course Scheduler

<https://quacs.org>

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

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
- Overhauled accessibility across entire website including writing test to avoid accessibility related regressions

Rubber Duck Discord Bot

- Fully-featured Python moderation bot for 2,000+ member RPI Discord chat server
- Hosted on Google Cloud using Gitlab continuous integration and continuous deployment

LEADERSHIP

Data Structures Undergraduate TA

Spring 2019-Present

- 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

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

Undergraduate Curriculum Committee

Spring 2019-Spring 2020

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

SKILLS

Programming Languages

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

Technical Knowledge

- Git, Linux, GitHub Actions