Eli Schiff

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EDUCATION

Rensselaer Polytechnic Institute   **Troy, NY**
B.S. Computer Science, Minor in Economics   *Graduated: December 2021*
GPA 3.81 (3.94 in major), Dean's Honor List: 5/6 semesters
Founders Award of Excellence - The highest honor given to 1% of students at the annual honors convocation

EXPERIENCE

Software Engineer Datadog   *New York, NY — Summer 2021 and Spring 2022-Present*
○ Developing internal data engineering infrastructure
○ Improved overall performance of website built with a React frontend and a Python backend
○ Worked with Kubernetes on multiple cloud providers including AWS, GCP, and Azure

Software Engineering Intern at Coursedog, Inc.   *New York, NY — Summer 2018 and Fall 2020*
○ Increased test coverage using the Jest unit testing framework and 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

Software Engineering Intern at Optum (UnitedHealth)   *Boston, MA — Summer 2019*
○ Developed Python program to monitor file changes on a 150tb Hadoop Cluster to assist with data governance
○ Worked on a programs to assist with data migration to new server infrastructure
○ Received first place in a company-wide hackathon comprised over 80 employees and interns

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

Submitty
○ Open source programming and assignment submission website developed at RPI
○ Implementing an online queue to keep track of remote 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, React, Vue.js, TypeScript, JavaScript, C++, Java, SQL, PHP

Technical Knowledge
○ Git, Linux, GitHub Actions, Kubernetes