

# Joseph Hauter

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🖱 my-portfolio-one-plum.vercel.app/    📍 Queens, NY

## Education

### City University of New York Hunter College

08/2020 – 12/2024

- Deans List 7 Semesters
- Relevant Coursework: Data Structures and Algorithms, Intro to Programming, Software Analysis and Design I, Software Design & Analysis II, Computer Architecture I

## Professional Experience

### American Express, Software Engineer Intern

06/2023 – 08/2023

- Implemented VISTA, an award-winning AI technology for voice-based testing, resulting in a 40% reduction in testing time and a 20% increase in test coverage across the organization.
- Spearheaded the creation of a Python-based automated testing system using Selenium and WebDriver, adding over 400 lines of method functions.
- Deployed project via Docker and Jenkins to Hydra, achieving 50% faster testing and boosting user satisfaction by 30%.

### American Express, Software Engineer Intern

01/2023 – 02/2023

- Implemented comprehensive automated testing framework for American Express site APIs, resulting in a 60% reduction in manual testing efforts, while increasing test coverage by 70%.
- Automated test data cleanup for IDAAS API calls using Axios in WebdriverIO improving speed by 100%.
- Streamlined processes via A2A tokens and account de-linking, developed a reusable automation template saving time and costs across 40+ markets, leading to significant improvements in test execution time, efficiency, and cost savings across the organization.

## Projects

### Inflation/CPI Dashboard

Python, Dash, Plotly, Quandl API, HTML, CSS

- Developed a data dashboard project that leverages the Quandl API to access diverse data sets for various countries, presenting the data in an accessible format using Dash and Plotly.
- Incorporated interactive elements such as dropdowns and sliders for data filtering, and utilized multiple chart types including line charts, bar charts, and heatmaps for effective data visualization.

### Virus Tracker for Hackathon

Javascript, Bootstrap, CSS, HTML D3.js, chart.js

- Directed a team in creating a web application disseminating accurate Monkeypox and COVID-19 data using D3.js and Chart.js for interactive data visualization.
- Mentored a novice coding team, contributing to both front-end and back-end development, culminating in a high-quality web application.

## Leadership

### Key club

- Volunteered Key Club through my school and district. Attended events and benefited the local community such as food bank volunteering.

### Teaching assistant for University

- Assisted a professor in weekly lectures and tutored over 800 students in Python and C++.

### Hackathon Assistant

- I volunteered to guide and mentor new developers during their inaugural hackathon experiences.

### Tutor on Computer Science Discord

- I tutor and assist over 200 other classmates and underclassmen in Data structures & algorithms, Intro to program etc.

## Skills

**Programming Languages** (Python, C++, Javascript, HTML, CSS, PostgreSQL, Java, SCSS, Ruby),

**Frameworks** (React, ExpressJs, NodeJs),

**Libraries** (Docker, Tailwindcss, Bootstrap, Webdriverio, Axios, Cucumber, matplotlib, NumPy, Pandas, ChartJs, mobproxy, selenium, webdriver),

**Tools** (Git, MongoDB, VS Code, Atom, Github, Postman, AWS)