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 AI technology for voice-based testing in an agile environment, 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 an end-to-end automated testing framework for American Express site APIs, leading to a 60% reduction in manual testing and a 70% increase in test coverage.
- 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 open-sourced 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 ⧉
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.
- The website features informative videos and uses interactive data visualization for an engaging user experience. Achieved a high-quality, user-friendly, and educational web application winning a hackathon.

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, Sql*),
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, Unix*)