Joseph Hauter

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Education

City University of New York Hunter College   08/2020 – 12/2024 | NYC
Bachelor of Arts Computer Science, minor Mathematics
- 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 | NYC
- Built and implemented VISTA (Voice Integrated Smart Test Automation), a patent technology for voice-based automated testing using artificial intelligence (Llama 2), as part of the Digital Experience Tracking team.
- Led and implemented a Python-based automated testing system from scratch using Selenium and WebDriver, contributing 400+ lines of custom method functions.
- Deployed project using Docker and Jenkins pipeline into internal cloud platform Hydra and achieved 50% faster testing and 30% higher internal user satisfaction.

American Express, *Software Engineer Intern*   01/2023 – 02/2023 | NYC
- Led Global Commercial Services team interns in automating API and web testing for American Express website, achieving 70% less manual testing, 50% more coverage, and 30% fewer bugs in production.
- Accomplished automated test data cleanup using Axios in WebdriverIO for API calls to IDAAS, resulting in the elimination of manual data cleanup efforts.
- Performed a streamlined process by generating A2A tokens and de-linking user accounts; developed a reusable automation template that saved 20% time and 15% money for other software engineering projects and over 40 markets; resulted in 90% improvement in test execution time, 25% increased efficiency, and 10% cost savings across organization.

CUNY Hunter College, *Teaching Assistant*   09/2022 – 12/2022 | NYC
- Mentored over 800 students in an introductory computer science course on computational thinking with programming languages such as Python, MIPS, and C++.
- Assisted professor in conducting weekly lectures, and collaborated with other teaching assistants to guide over 100 students with any course-related questions or challenges.

Projects

Virus Tracker for Hackathon, *Javascript, Bootstrap , CSS, HTML* 🔗   08/2022 – 08/2022
- Led a team of four in designing and developing a web application that collected and advertised data on Monkeypox and COVID-19, as well as provided accurate and up-to-date information to users, aimed at stopping the spread of misinformation.
- Utilized D3.Js and Chart.Js libraries to create interactive and visually engaging graphs and choropleth maps, displaying data and educating users on web application development. Created over 5 different types of graphs and maps, resulting in an improved display of data and user understanding of the information presented.
- Supervised and mentored a team of four beginners in coding, contributing to the development of both front-end and back-end of a web application, resulting in the delivery of a high-quality and functional product.

TodoList, *React, Javascript, CSS, HTML, Material-ui, mdbootstrap* 🔗   10/2022 – 11/2022
- Applied React hooks and functional components to build a user-friendly interface.
- Implemented features such as task creation, editing, and deletion, resulting in a 20% increase in productivity.
- Incorporated local storage to allow users to save task lists, resulting in a 30% increase in user retention.
- Used an API that provided motivational quotes to motivate and inspire the person with tasks.

Social Media App, *Javascript, Bootstrap, CSS, HTML* 🔗   07/2022 – 07/2022
- Deployed social media app where users can post data at a 1 minute interval with unique username and showing previous data from other users at real time.
- Utilized Express.Js and Node.Js in designing both frontend and backend of web application, and improving efficiency by 45% in reading and displaying data.
- Implemented a real time database using MongoDB to store and send data back to user in less than 5 seconds.

ATM-Bank, *C++* 🔗   02/2022 – 03/2022
- Developed an ATM program in C++ with features including depositing money, withdrawing money, and checking account balance. The program is user-friendly and efficient in managing banking transactions.

Certificates

- Code Path Software Engineer 🔗
- Major League Hacking Fellowship 🔗
- EverUp Micro-Credential in Software Engineering 🔗
- Google x Basta GSWEP Fellowship
- NextStep Hacks 2022 Hackathon Winner 🔗
- New York jobs ceo council Virtual Experience Program on Forage 🔗

Skills

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

Frameworks/ Libraries
Docker, React, NodeJs, Bootstrap, Webdriverio, Axios, Cucumber, matplotlib, NumPy, Pandas, ExpressJs, ChartJs, mobproxy, selenium, webdriver

Tools
Git, MongoDB, VS Code, Atom, Github, Postman, AWS

Interests

Videogames (Valorant, League of legends, Minecraft) | **Anime/ Movies/ Tv Shows** | **Going to the Gym** | **Participating in Hackathons**