Donovan Gamboa

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Software Engineering

Bilingual, fifth-year engineering student seeking to transition project experience and academic learning to a full-time position. Demonstrated ability to collaborate with team members to design, implement, and test software programs. Fluent in Spanish. Open to relocating.

Core Competencies: Agile Methodologies | Incremental Software Engineering Practices | Networking | Math | Physics
Programming Languages: Python, Java, C, C++, JavaScript, HTML, CSS, Web API, SQL, MATLAB, MySQL, Selenium, JaveScript
Other Technical Skills: Embedded Systems, Microsoft Office (Word, Excel, PowerPoint, Access, Teams), Shell, Windows, Apple, Linux, GitHub

Education

ROCHESTER INSTITUTE OF TECHNOLOGY, Rochester, NY – **Bachelor of Science, Software Engineering**   Expected 05/2025
Minor in Mathematics; Minor in Quantum Information Science and Technology
Dean's List: Fall 2020, Spring 2020
Clubs: Rochester Wargamer Association & Guild (2023-Present) | Electronic Gaming Society (2021-Present) | Circle K (2020-Present)

Personal Projects

ROCHESTER INSTITUTE OF TECHNOLOGY, Rochester, NY
Project: Job Manager V2.0   07/2024 – 09/2024
- Developed a robust job management application using Python and Tkinter, allowing users to efficiently add, edit, and track job details, including production dates, contact information, and job statuses.
- Implemented a feature to generate landscape-oriented PDF reports of undone jobs, presenting data in a grid layout.
- Utilized pandas for seamless integration with Excel, enabling easy storage and retrieval of job data, ensuring a user-friendly experience with accurate job tracking.
- Focused on creating an intuitive GUI that allows for quick navigation and interaction, including sorting and filtering job lists, with real-time updates and feedback through a status bar.

Project: Spotify API Profile Demo   09/2024
- Completed a tutorial on using the Spotify API to retrieve an artist's metadata.
- Developed an application utilizing the Spotify Developer Dashboard to create and configure a new app for API access.
- Implemented OAuth 2.0 to request an access token, ensuring secure communication with the API.
- Successfully fetched and displayed detailed information about artists, demonstrating the ability to make web API calls and handle JSON data.

Work Experience

Security Engineer – Junior Apprentice at CloudCover   01/2024 – 05/2024
- Engage in immersive hands-on projects, leveraging cutting-edge technologies in networking, software development, and technical presales to bolster expertise under the mentorship of seasoned professionals.
- Contribute to the identification and mitigation of security vulnerabilities, enhancing the organization's technological resilience.

Software Engineer in Test Intern – Excellus Blue Cross Blue Shield in Rochester, NY   09/2023 – 12/2023
- Drove the adoption of Selenium, Java, and Junit 5 to establish a robust framework for UI, backend, and ETL test automation.
- Utilized Azure DevOps proficiently, effectively tracking work items (Story/PBI) and streamling the test automation backlog.
- Engineered a streamlined test execution/reporting process, using Azure pipelines for efficiency in the development pipeline.

Intern – Innovation Fellows Program in Rochester, NY   06/2023 – 08/2023
- Led team in developing Jira API prototype for Miner Repair, streamlining ticketing, invoicing, and reporting.
- Successfully introduced Rest Assured as the API testing tool, validating its effectiveness through a proof of concept.
- Orchestrated seamless integration with Jira board, enabling direct updates from the program.

Prior Experience: Warehouse Worker/Driver - Norwescap, Phillipsburg, NJ, 07/2019 – 12/2021 | Student Staff – Grace Watson Dining Hall, Rochester, NY, 09/2021 – 05/2023 | Course Assistant –R.I.T., Rochester, NY, 01/2023 – Present