Emmanuel Zapata

emmanuel.zapata010+work@gmail.com | Github:EmmanuelZapata2002
LinkedIn: https://www.linkedin.com/in/emmanuelzapata/

EDUCATION

University of Virginia | *Charlottesville, Virginia*   **GPA: 3.51/4.00**
- BA in Computer Science; BA in Chemistry   *Expected May 2024*
- *Relevant Coursework*: Data Structures, Algorithms, Software Development Essentials, Software Testing, Artificial Intelligence, HCI in Software Development, Computer Systems and Organization (Operating Systems)

SKILLS/LANGUAGES
- Programming Languages: Proficient in Java, Python, C, C++, X86 Assembly, HTML, CSS, JavaScript, MATLAB
- Tools: Proficient in Git, GitHub, React, BootStrap, Web-APIs, MySQL, SQLite, IDEs (IntelliJ, PyCharm, VSCode), JavaFX, PyGame, JUnit, Mockito, Figma, RSA, Excel
- Fluent in English and Spanish; Intermediate in Italian

FULL STACK EXPERIENCE

Full Stack Spotify Data Visualization Application (Python, Flask, React)   *Aug 2023 - Present*
- Implement full-stack application featuring integration with the Spotify Web-API and mapVisualizer to gather key artist data, statistics, and popularity based on location over time
- Generate dynamic Web-API keys to handle token expiration, ensuring reliable data access.

Full Stack Course Evaluations Application (Java, JavaFX, SQLite)   *Nov 2023 - Dec 2023*
- Co-Developed CRUD (Create, Read, Update, Delete) Java application for course and review management
- Generated secure login system, course addition/searching, course-review commenting, and user review display
- Tested application with Junit and Mockito Frameworks

Personal Portfolio Web Application (HTML,CSS, JavaScript, BootStrap)   *Jun 2023 - Sep 2023*
- Constructed a personal portfolio website showcasing projects and involvements
- Created responsive and animated components using JavaScript and CSS, respectively

Local Socket Chat Application (C)   *Apr 2023 - May 2023*
- Devised a command-line, 2-party chat application in C, fulfilling a server-client model
- Allowed client to connect to a specified IP address and port, facilitating targeted communication
- Optimized server to accept a single connection and close listener socket, ensuring resource-efficiency

PyGame Application (Python, PyGame)   *Nov 2022 - Dec 2022*
- Developed a Sharknado and Falldown game in Python, derived from PyGame documentation
- Games included 5 player challenges, sprite-sheet use, enemy detection, collectibles, and restart functionalities

PRODUCT DEVELOPMENT EXPERIENCE

UVA Hospital MOPAT Team UX/UI App (Figma, Python)   *Aug 2023 - Dec 2023*
- Co-led design development of MOPAT product in a 4-person team, alongside client, Dr.John Eby
- Product improved patients' understanding of treatment, ordering of line care supplies, and virtual scheduling of appointments via enabled questioning to an AI chat bot and encrypted messaging
- Created prototypes through identification of work roles, conducting interviews, and developing wireframes

Business Development Intern at MyInterviewClinic | *Charlottesville,Virginia*   *Aug 2022 - Jan 2023*
- Collaborated with a team of 3 to develop strategies for advisors in minority communities helping students navigate the medical school interview process; strategies were presented for public distribution of services to stakeholder group of 6.
- Engaged in market research, marketing tools, and search engine optimization techniques to scale and expand the startup

WORK EXPERIENCE

Bar Manager and Bartender at Virginian Restaurant Company | *Charlottesville, Virginia*   *May 2023 - Pres*
- Utilized Excel to monitor payment transactions, manage payroll, and maintain and track bar inventory
- Increased net sales by 15% via the implementation of new training procedures for 6 bartenders

Resident Advisor at University of Virginia | *Charlottesville, Virginia*   *Aug 2022 - Pres*
- Enforced university policies that are relevant to maintain a safe and welcoming living community
- Composed hall and association-wide programming pertaining to multicultural awareness, academic success, health and wellness, and community engagement for a building of 245 students.

Introductory Chemistry Teaching Assistant at University of Virginia | *Charlottesville, Virginia*   *Aug 2021- Jan 2024*
- Co-led discussion sections, held office hours, and graded exams for 350 students
- Led Review Sessions for 100 students for each upcoming exam