Jorge Wellesley-Bourke Hernandez

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Education

Stevens Institute of Technology (Hoboken, NJ) **(Sep 2024 - Expected May 2028)**
- Bachelor's in Computer Science - GPA: 3.723 - Schaefer School of Engineering and Science - Co-op - Dean's List
- Relevant coursework: Computer Architecture and Organization, Algorithms, Data Structures, Discrete Structures, Linear Algebra, Probability and Statistics, Multivariable Calculus, Intro to Entrepreneurial Thinking

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Experience

Student Assistant & Data Analyst, DuckCard Office | Stevens Institute of Technology (Hoboken, NJ) **(Oct 2024 - Present)**
- Managed and solved issues for both physical and mobile credentials for students, staff, professors, residents, guests through systems like Transact and Grubhub.
- Collaborated with Residential, Dining, and IT services on campus to provide a smooth onboarding for 3,000 incoming precollege, international, graduate, and undergraduate students.
- Created flyers, video and document tutorials, mass emails, managed and responded to email inboxes, communicated with featured merchants in the Hoboken area, and edited our DuckCard office website.
- Made programs in Python using libraries such as pandas to perform data analysis on large databases to create reports, targeted mass emails, as well as provide a comprehensive view of every Stevens student and staff's credential status.

Summer Camp Counselor | Guttenberg Recreation Center (Guttenberg, NJ) **(Jul 2024 - Aug 2024)**
- Provided a safe and fun environment through collaborating with my other counselors over the course of the 6 week camp.
- Supervised a class of 30+ eight-year-old campers, often collaborating with staff and other counselors in activities such as arts and crafts, pool days, park trips, outdoor play, movies, and more.

After-school Math Tutor | High Tech High School (Secaucus, NJ) **(Jan 2024 - May 2024)**
- Tutored 2 students one-on-one after school for AP Calculus AB and Geometry every week.
- Reviewed topics, past tests, and practiced using real world examples to improve each student's performance.

Summer Intern | Khayyan Specialty Foods (West New York, NJ) **(Jun 2022 - Aug 2022 & Jun 2023 - Aug 2023)**
- Created email campaigns to promote online products, fulfilled online orders and kept track of them, applied my knowledge of Excel to help them with client databases by sorting and cleaning up information.
- Programmed a PyAutoGUI program to make additions to hundreds of products automatically, making the process streamlined.

Projects

"Ultramerge", DuckCard Office **(Jul 2025)**
- Developed a custom application to simplify weekly student ID analysis using my prior programming experience in Python with pandas and customtkinter to make a comprehensive GUI (graphical user interface) that could be used by anyone in the office.
- Through a test-driven development, the program ended up accelerating analysis time by 5x and ensured data integrity with 100% accuracy, enabling other coworkers to perform complex data tasks quickly.

"CommuteLock", Intro to Entrepreneurial Thinking Project **(Jan 2024 - May 2024)**
- Created a full-stack solution for "CommuteLock", a smart lock that deters bike and scooter theft with an integrated alarm system. The project included a companion mobile app and a feature to alert campus police in case of theft.
- Coded the website with HTML, CSS, and JavaScript and the mobile application with React Native, delivering a complete, functional demonstration for the project.

Awards

- Hispanic Scholarship Fund Finalist **(Oct 2024)**
- AP Scholar with Distinction Award **(Jul 2024)**
- Hudson County Academic Achievement Award **(May 2024)**
- National High Honor Society Inductee at High Tech High School **(Oct 2023)**
- First Place in HTHS-Columbia Society of Hispanic Professional Engineers Website Design Challenge **(Jun 2021)**

Skills

- **Speaking Languages:** Fluent in both English & Spanish
- **Programming languages:** Python, Java, HTML, CSS, Kotlin, Scheme, JavaScript, React, SQLite, R, C, C++, Assembly
- **Software:** Visual Studio Code, Git, Intellij, Android Studio, IDLE, RStudio, Blender, Onshape, Sketchup, Fusion360, Ultimaker Cura, Photoshop, Premiere Pro, Illustrator, Inkscape, Davinci Resolve, OBS, Microsoft Office Suite, and Google Drive Suite