Robert Conde

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Education

University of Florida | *BS in Computer Science & Mathematics Minor* GPA: 3.8 | May 2025
Relevant Coursework: Natural Language Processing, Linear Algebra for DS, Data Science, Operating Systems, Compilers, Networking, UX Design, Software Engineering, Data Structures & Algorithms

Experience

Amazon, Inc. | Clarity at PeopleInsight | *TypeScript, AWS* May – Aug. 2024
Software Engineer Intern Seattle, WA
- Designed a granular caching strategy to reduce costly API calls, reducing latency in Clarity's report generation process
- Enabled resolving permissions across Amazon organizations for services key to the new offline report generation service
- Worked with internal teams to decrease calls to a key internal service by providing an alternate access method

Amazon, Inc. | Engage at PeopleInsight | *TypeScript, AWS, Slack API & SDK* May – Aug. 2023
Software Engineer Intern Seattle, WA
- Engineered a Slack-integrated communication platform for Amazon Engage, enhancing employee-manager interaction and fostering corporate relationship building
- Leveraged AWS CloudFormation, IAM, Lambda, API Gateway, and other services to architect and deploy a secure, scalable Slack integration for Amazon Engage
- Developed and documented APIs to seamlessly integrate Slack with existing Amazon services, ensuring secure, extensible functionality for future enhancements

Projects

HaXr | *Next.js, Auth.js, Prisma, PostgreSQL, Vercel* April 2024 – *Present*
- Envisioned and designed a platform to manage current and future generations of SwampHacks
- Designed portal that allows Directors to configure competitions, manage applications and forms, define redeemables, and scan for check-in, attendance, and transactions

Vivian Verizon | Finalist at AI Days Hackathon | *React, TS, GPT-4, Jupyter, Flask, Selenium, Figma* Oct. 2023
- Conceptualized and led a team of five to develop "Vivian Verizon," an AI digital sales rep, streamlining online phone purchases for Verizon customers
- Developed a recommendation system using GPT-4 to personalize product suggestions based on user behaviors & preferences
- Overcame challenges, including maintaining ethical AI practices and ensuring alignment with Verizon's mission and values

Gilbert | Computational Linear Algebra | *MATLAB, Python, Docker, Gradescope* Jan. 2023 – May 2023
- Developed a MATLAB auto-grading system using Gradescope's Python unit-test library, containerized with Docker
- Streamlined course serving over 2000 students every year by reducing TA workload, saving hundreds of hours of grading

Swamp Scheduler | Open-Source Club | *Next.js, Tailwind, Vercel, Figma* Sept. 2022 – May 2024
- Established a unified, responsive API for accessing courses information, course evaluations, and campus map data at UF
- Enabled students to choose courses and explore alternative options, generating schedules tailored to their requirements.
- Implemented networking and caching strategies, optimizing response times and ensuring a responsive user interface.

Tilter | 1st Place at ShellHacks | *Python, Arduino, Android* Sept. 2022
- Designed and built a ball balancing robot in under 36 hours and placed 1st overall at ShellHacks, Florida's largest hackathon
- Developed low-contrast object detection and high-level object path prediction and response methods

EuLeR | *PHP, Bootstrap, Git, JavaScript, jQuery, CSS* June 2020 – Aug. 2023
- Designed and deployed a full-stack web application to streamline operations for a chapter of FAMAT
- Implemented features such as payment processing, transaction history, and dynamic reporting menus, enhancing administrative efficiency
- Integrated legacy systems, facilitating a smooth transition and expediting competition prep by automating manual processes

Leadership

SwampHacks Co-lead Director of Technology April 2024 – *Present*
- Worked with the rest of the SwampHacks team to decide theme, events, sponsors, and logistics for a 500-person event
- Managed a team of 3 developers to create the HaXr system and the frontpage for SwampHacks X

Open-Source Club Technical Lead Sept. 2022 – *Present*
- Established a sustainable open-source community, overseeing multiple projects spanning several semesters
- Provided guidance and support to project members through both in-person and virtual collaboration

Linear Algebra Lead Teaching Assistant Jan. 2023 – *Present*
- Provided assistance with course material, graded projects, and designed a grading system to reduce TA grading, and gave lessons exposing students to introductory DS and ML concepts

Technical Skills

Languages: TypeScript, JavaScript, C++, Python, Java, PHP, Postgres, SQL
Frameworks & Libraries: React, Express, Flask, Mantine, Tailwind, Bootstrap
Other: AWS, Vercel, Docker, Linux