

Carlos Saucedo

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Skills

- Java, C++, Python, JavaScript, HTML, CSS, Bash, and Visual Basic.
 - MSSQL and MySQL.
 - Git and GitHub.
 - Adobe Photoshop, Illustrator, Premiere, and After Effects.
 - Microsoft Word, Excel, and PowerPoint
 - WordPress
 - Language Proficiency Levels:
 - Spanish: Native Speaker
 - English: Fluent
 - French: Professional
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Experience

AUGUST 2018 - PRESENT

Creative Operations Lead / Software Engineering Daily

Software Engineering Podcast, community, and media hub with over 60,000 worldwide listeners.

- Handles day-to-day publication operations for the Software Engineering Daily Podcast, as well as sister podcast Fintech Daily, including managing the WordPress, outsourcing and managing projects, and managing Social Media campaigns.
- Builds and collaborates on workflows to make routine work more streamlined and efficient, from start to finish.

JUNE 2018 – AUGUST 2018

Software Development Intern / Corporativo Zell, Guadalajara, Jalisco, Mexico

Fintech and Financial Service Provider headquartered in Guadalajara, Mexico.

- Assisted in the planning, development, and implementation of various fintech services and products.
- Developed an advanced, cross-platform cybersecurity app that enables Zell customers to use two-factor authentication to log into sensitive web portals, employing server-side ASP.NET and client-side JavaScript, HTML, and CSS, while interfacing with existing SQL database servers.

JUNE 2015

Electronics Assembly Intern / Resser GPS, Guadalajara, Jalisco, Mexico

Security Systems Manufacturer headquartered in Guadalajara, Mexico.

- Assisted in the assembly and manufacturing process of newly-developed electronic GPS Security Systems.
 - Assembled, soldered, and performed quality control of dozens of custom-printed PCB boards.
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Education

MAY 2018 – MAY 2022 (EXPECTED)

BS in Computer Science / Florida State University, Tallahassee FL

- Computer Science student seeking a Bachelor of Science degree with concentrations in Mathematics and Physics at a nationally-acclaimed university in Computer Science / STEM.
- Active member of the ACM @ FSU, Cybersecurity Club, and HackFSU.

Projects

JANUARY 2019 - PRESENT

Dirac_AI / Python AI Chatbot

Advanced Artificial Intelligence chatbot with a web and backend interface.

- Designed, implemented, and hosts the project, and leads a team of 4 members on the development team.
- Created a recursive neural network self-learning system that improves based on user input.
- Designed an adaptable, modular bot able to be implemented into many different applications across the stack.

APRIL 2018 - PRESENT

Rikka-Bot / Discord Python Bot

Chatbot and moderation bot currently employed by over 90,000 Discord users worldwide.

- Designed, programmed, and hosts the project, and leads a team of 4 members on the development team.
- Integrated the Discord API, WolframAlpha API, Gizoogole.net API, Google Translate API, and CleverBot.io API to process and create intelligent responses based on user need, including language translation, moderation, and miscellaneous fun commands.

MARCH 2018 – APRIL 2018

Hyperion FRC Robot / Robot code for Hyperion, 2018

Robot code that includes actuating various solenoids, motors, and encoders, to carry out actions both autonomously and via human controls.

- Designed and implemented the working version of the robot code.
- Led a team of 5 developers on the programming team, including pseudocoders and debuggers.
- Developed an advanced autonomous system that reads data from the playing field, assesses its current position, and picks up and places a milk crate into a platform that is randomly chosen at the beginning of the match.

MAY 2015 – MARCH 2018

AutoAircrack / Bash Penetration Testing Program

Bash program that automates and speeds up the use of the popular penetration-testing program suite, aircrack-ng, to test and challenge the security of wireless networks, in a home and enterprise setting.

- Integrated the environments of airodump-ng, aireplay-ng, and aircrack-ng, in a customized and graphical user-friendly interface.
- Designed, coded, and deployed the program to test the security of several home and enterprise networks.

Activities

MAY 2018 – PRESENT

Robotics Mentor/ FIRST Robotics Mentor

- Active Mentor and Volunteer for 3 high school robotics teams, including FRC team #4516, Hyperion, and two other FTC teams, all members of an internationally-recognized organization promoting STEM education for students around the world.
- Mentors a team of over 60 High School students, teaching them important skills in leadership, teamwork, professionalism, and programming development abilities.