

# Carlos Saucedo

(561) 320-3150

[carlos@cgsphoto.com](mailto:carlos@cgsphoto.com)

[github.com/LeoSaucedo](https://github.com/LeoSaucedo)

[linkedin.com/in/CarlosGSaucedo](https://linkedin.com/in/CarlosGSaucedo)

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## Skills

- Java, C++, Python, JavaScript/TypeScript, HTML, CSS, Bash, and Visual Basic
- Mobile App Development (Apache Cordova, Ionic)
- Website Management (WordPress, Jekyll)
- Database Management (MSSQL and MySQL)
- Version Control Systems (Git and GitHub)
- Social Media Management (Buffer, Google Analytics, TweetDeck)
- Adobe Photoshop, Illustrator, Premiere, and After Effects
- Microsoft Word, Excel, and PowerPoint
- Language Proficiency Levels:
  - Spanish: Native Speaker
  - English: Fluent
  - French: Professional

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## Experience

SEPTEMBER 2019 – PRESENT

### **Software Engineer Intern / Lowe's Companies, Inc.**

*Home Improvement Retailer headquartered in Mooresville, NC.*

- Developed and maintained multiple microservices now in production using the Spring Boot Framework for various Lowe's ProServices. Deployed microservices to the Google Cloud Platform and created data retrieval systems for Postgres and Couchbase databases.
- Created metric logging systems and employed them to create performance test and metrics analysis to ensure efficiently working code. Employed Apache JMeter and Prometheus to create metrics and perform stress tests. Developed JUnit tests and used them to ensure all code was free of errors.

SEPTEMBER 2019 – PRESENT

### **Software Engineer / Grainhouse, LLC**

*Smart Sourcing Company headquartered in Tallahassee, FL.*

- Created and maintains a tech stack consisting of AWS servers, Python backend, JavaScript and HTML frontend, as well as Intercom, Slack, and Microsoft Teams APIs to create a streamlined, cross-platform experience.

MAY 2019 – AUGUST 2019

### **Engineering/Web Intern / CPS Products, Inc.**

*HVAC/R Smart Tools Company headquartered in Miramar, FL.*

- Developed an advanced, cross-platform IoT consumer app that enables BLE connectivity with smart devices, employing Apache Cordova, Ionic, and TypeScript technologies to create native experiences on Android and iOS.
- Developed CDN and cache protocols and more efficiency measures on the CPS USA, Europe, and Australia WordPress sites to increase the PageSpeed Insight score by more than 50% on each site.

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.

## Education

MAY 2018 – DECEMBER 2021 (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.

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## Projects

OCTOBER 2019 - PRESENT

### **Calbot / Intelligent Nutrition Tracker – HackFSU 2019 First Place Winner**

*Nutrition tracker that keeps track of intake through the latest in Computer Vision and artificial intelligence.*

- Designed and led a team of 3 developers in creating an advanced, cross-platform chatbot assistant that simplifies the nutrition tracking experience by offering a seamless experience using the most popular conversational clients.
- Employed the Google Cloud Computer Vision API to identify food in an image and used the WolframAlpha knowledgebase API to query for nutrition information and logs and tracks them in an SQL database.

APRIL 2018 - PRESENT

### **Rikka-Bot / Discord Python Bot**

*Chatbot and moderation bot currently employed by over 250,000 Discord users worldwide.*

- Designed, programmed, and hosts the project, and leads a team of 4 members on the development team.
- Integrated an advanced SQL server, as well as the Discord API, WolframAlpha API, Gizoogoo.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.