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in calixhuang

# CALIX HUANG

## ■ SKILLS

### LANGUAGES

Python, Java, Javascript, Typescript, Objective-C/C++, Bash, HTML/CSS, R, GraphQL, PHP

### TECHNOLOGIES

Git, Linux, React, Node.js, Angular, Spring, Vue.js, Three.js, MongoDB, Express, REST, GraphQL, Junit, Mockito, PostMan, Microsoft Office, Pandas, SEO, Google Ads

### COMMUNICATION & INITIATIVE

- Proficient in: English, French, Chinese
- Pitched to CTO's regarding AI, software development, and radar related products
- Self-taught Python, JavaScript, MERN stack
- Identified bottlenecks and automated database queries

### INTERESTS

I enjoy rock climbing and snowboarding!

## ■ PROJECTS

### [PERSONAL PORTFOLIO SITE](#) 01/2023 - 01/2023

My personal portfolio site where I introduce myself and my work

### [SUIBIRD](#) 01/2023 - Present

Collaboration with CradleX. FlappyBird modification that allows you to use online blockchain wallet technology to store and mint NFTs

### [CSV EXTRACTION TOOL](#) 06/2022 - 06/2022

Wrote 2 iterations of a Python script:

- The first looks for all instances of excel files with the same names in the given directories, and concatenates them into their respective .xlsx files, one for each unique file name
- The second concatenates them into one .xlsx, separated by workbooks

### QUANT ANALYSIS SCRIPT 06/2022 - Present

Writing a Python script that finds and returns various summary values over 100,000+ cells of information. Useful for quant analysis

### DISCORD BOTS 08/2021 - Present

Currently working on a music bot that can join and leave voice calls and play music through text commands

### [WEB DEVELOPMENT](#) 07/2021 - Present

Developed a website for a start up childcare centre in Toronto

### FULL-STACK: PARITY 09/2022 - Present

Starting a full-stack project called Parity that quizzes users on the perceived parity of common objects. Results can be used for demographic analysis

## ■ SUMMARY

Results-driven and people-oriented Computer Science student from University of Waterloo specializing in Artificial Intelligence.

- 7+ years experience in software development
- Collaborative leader; led a team of 6 in creating a full stack platform
- Automated internal database tools that doubled functional efficiency
- Demonstrated industry leading technology at international trade shows

### Values

- Strong work ethic and diligent leader
- Creative, adaptive, and critical thinker
- Self-motivated and willing to learn

## ■ EDUCATION

### UNIVERSITY OF WATERLOO

09/2020 - Present

#### Bachelor's Computer Science 2024

Specialization: Artificial Intelligence

Minor: Combinatorics and Optimization

Relevant Coursework: Object-Oriented Software Development; Data Structures and Data Management;

Foundations of Sequential Programs, Algorithms, API Testing, REST API

President's Scholarship of Distinction - \$2000 (97%+ average)

## ■ EMPLOYMENT

### SS&C - *Full-Stack Developer*

01/2023 - Present

- Upgraded back end development of one of SS&C's flagship products using relevant technologies
- Automated testing and scanning of super servers, reducing work spent by over 200%
- Collaborated on client faced features, built in Angular and Spring

### STONKAM - *International Exhibitor*

11/2021 - Present

- Represented Stonkam in Las Vegas at ISC West 2022, CES 2022, and CES 2023, the world's largest technology and security conventions
- Managed and demonstrated tech related to AI, facial recognition, object detection, IR, and radar
- Directed the installation, testing, and maintenance of 4 monitor systems with over 20 unique cameras
- Synergized with a team of 4 CES reps to foster a receptive environment for 150+ clients at the company booth
- Pitched to and connected with 200+ CTOs, engineers, and executives from 50+ leading tech companies
- Led 50+ live demonstrations while addressing technical inquiries with 10+ daily time-sensitive reports to HQ

### VERIDAY - *Software Developer*

05/2022 - 11/2022

- Coded and improved on front and back end of banking platform used by BMO, CIBC, RBC and other banks
- Developed a full-stack platform that automates report generation and database queries on client request
- Implemented a Python script that automates .xlsx concatenation, increasing overall efficiency by ~15%
- Collaborated with other disciplines across engineering, UX, and Product to ensure platform operated flawlessly
- Developed, documented and maintained functional test artifacts like data validation, harness scripts and automated scripts

### JUNIOR HUB - *Lead Full Stack Developer*

04/2021 - Present

- Built a website from ground up using relevant front-end technologies (HTML, CSS, JS)
- Led the development of PHP/API functionalities leading to 35% increased conversion
- Managed a small team of developers to improve UI and performance on the front-end
- Led weekly project development meetings with HQ to discuss budget and goals