CALIX HUANG

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in calixhuang

SKILLS

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

TECHNOLOGIES
Git, Linux, React, Node.js, Angular, Spring, 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