✉ calix.huang@uwaterloo.ca
📞 (647) 865 0010
in calixhuang

CALIX HUANG

▪ EDUCATION

UNIVERSITY OF WATERLOO 09/2020 - Present
Bachelor's Computer Science; Specialization Artificial Intelligence 2025
President's Scholarship of Distinction - $2000 (97%+ average)
Relevant Coursework: Object-Oriented Software Development; Data Structures and Data
Management; Foundations of Sequential Programs, Algorithms

▪ EMPLOYMENT

VERIDAY - *Software Developer*
05/2022 - Present
- 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

STONKAM - *Product Lead*
11/2021 - 05/2022
- Represented Stonkam (AI vehicle cameras) in Las Vegas in January at CES 2022 and March at ISC West 2022, the world's largest technology and security conventions
- Managed software regarding security and machine learning
- Managed hardware regarding LiDAR and facial recognition
- Dynamic interpersonal skills lead to high client engagement and over 80% conversion rate

▪ SKILLS

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

TECHNOLOGIES
Git, Linux, MongoDB, Express, React, Node.js, Jira, Microsoft Office, Pandas, SEO, Google Ads

COMMUNICATION
Proficient in: English, French, Chinese
Collaborated efficiently with developers and employers to resolve time-sensitive conflicts
Wrote research reports about Computer Science, Artificial Intelligence, and Economics

INITIATIVE
Designed and supervised full-stack projects
Self-taught Python, JavaScript, MERN stack
Identified bottlenecks and automated procedures relating to Excel and database queries
Experience contacting 200+ companies for events/opportunities

INTERESTS
I enjoy rock climbing, snowboarding, escape rooms, and playing piano!

▪ 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 improved overall efficiency by ~15%
- Proficient in full stack, object-oriented, and API technologies

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

▪ PROJECTS

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

WORDLE ALGORITHM 01/2022 - Present
Currently developing an algorithm in C++ that uses information theory and entropy to solve any Wordle game in ~3 guesses

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