Yolanda Huang

(647)-367-5000 | y42huang@uwaterloo.ca | www.yolandahuangg.com | linkedin.com/in/yolandahuangg

TECHNICAL SKILLS:

Languages: Javascript, C/C++, C#, Python, Scala, SQL, Typescript, HTML/CSS
Tools / Frameworks: React, Three.js, Node.js, Express, Tailwind CSS, Unity, PostgreSQL, MongoDB, AWS, Git

EXPERIENCES:

Managemate   Jan - April 2023
Web Developer   *Toronto, ON*
- Introduced pagination and responsive reusable elements on the company's **SAAS** platform to decrease loading time by 35%
- Expanded the **PostgreSQL** database on **AWS** to provide custom tagging for the condo's activities and assets
- Increased user interaction by 60% with the addition of email automation and table view for documentations

GH Capital Corporation   May - Aug 2023
Software Developer   *North York, ON*
- Expanded the ERent tenant portal using **Python** and **mySQL** to allow easy access to package delivery information across a 800+ tenant community
- Updated the corporate website with React and Chakura UI visually hidden to meet AODA compliance
- Product managed with external UI/UX and marketing teams to complete a e-commerce site utilizing Editor X

UW Orbital   Sep 2022 - May 2023
Full Stack Developer   *Waterloo, ON*
- In charge of input and mobile responsive ARO web app and map API development, successfully decreasing development time by 40% by constructing reusable React components
- Integrated backend read/write with FirebaseDB and Cloud Functions to ensure data security

RESEARCH:

Social and Intelligent Robotics Research Lab (SIRRL)   Sep 2023 - Dec 2023
Undergraduate Research Assistant   *Waterloo, ON*
- Developing the Furhat Robots used for human-computer interaction experiments, exploring Kotlin and Python solutions on the Furhat SDK for the robot to show a variety of expressions and speech patterns

PROJECTS:

Emolock | *C++, Python, OpenCV*   2022
- Designed an emotion-based safe box security system which unlocks through a preset combination of emotions
- Emotion capture is achieved through the deepface library by META and **OpenCV** live camera processing
- Programmed instant unlocking system using Arduino MEGA through serial communication with the laptop

EDUCATION:

Candidate for **Bachelor of Software Engineering**, University of Waterloo, Waterloo, ON   2022 - 2027
- **GPA 3.9 / 4.0** with Cumulative Average of 91%
- Recipient of President's Scholarship, Dean's Honors and the Dr. P. S. Ahuja Award for Women in STEM