Yuelin(Caren) Liu

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EDUCATION

Carleton University, Ottawa, ON	GPA: 3.9/4 (A)	**09/2019 – 12/2023**
Honours B.Sc. in Computer Science	Mobile Computing Stream, Minor in Statistics, Co-operative Education	

- Awards: Dean's Honor List, Entrance Scholarship, J. Lorne Gray Scholarship, A. Davidson Dunton Scholarship

WORK EXPERIENCE

Full Stack Developer, *Ericsson, Kanata, ON*   **05/2021 – 08/2022**

- Utilized **HTML, CSS, React, Redux, JavaScript, TypeScript and GoJS** for the front-end development for Ericsson Indoor Planner, enabling users to customize floor attributes for small-cell product placement and cabling plans.
- Designed and created report generation tools utilizing **Linux and C#**, producing comprehensive coverage maps, deployment reports, solution report, and bill of materials.
- Developed back-end solutions with **Java, and SQL**, improving system dependability and efficiency.
- Conducted end-to-end and unit testing to automate repetitive testing cases, enhancing team productivity, and enabling more efficient regression testing with **Nightwatch.js and Junit**.
- Managed **Agile** development processes, utilizing **Jira, Jenkins, Gerrit, and VS Code** to optimize development workflows and project tracking.

Teaching Assistant, *Carleton University, Ottawa, ON*   **09/2020 – 12/2023**

- Conducted weekly office hours for course COMP 3005 – **Database Management Systems (SQL)** and course COMP 2804 – **Discrete Structure II**, providing essential academic support to students while proficiently addressing inquiries about course content.
- Evaluated and meticulously assessed assignments and exams, delivering thorough feedback to facilitate students' comprehension of errors.
- Communicated effectively with professors to assist them in developing engaging coursework, assignments, and solutions for Database Management System.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, C#, JavaScript, TypeScript, Dart, R, SQL, Haskell, Prolog, HTML/CSS, Ruby on Rails, Kotlin
Software & Tools: Linux, Git, GitHub, Jira, Agile, Jenkins, Gerrit, Android Studio, X code, RStudio, Oracle, Postman, Flutter, React.js, Node.js, Express.js, Nightwatch.js, JUnit, MySQL, .NET, Cucumber, Selenium, Restful APIs, Redux, MongoDB, Docker, QT

APPLIED PROJECTS

BlurreDAPP

- Designed and developed a dating application using Flutter and Dart, where users swipe on profiles based on bios. Upon matching, the profile picture progressively sharpens as they exchange messages.

Movie Website

- Developed and deployed a responsive movie website using HTML, CSS, JavaScript, Node.js, and Express.js on OpenStack, featuring a Pug template engine for dynamic content, REST API for efficient data management, and secure authentication for user session management.

CES device simulator

- Created and tested a simulator for neuro-stimulation devices using C++ and Qt in a Linux VM, following Agile principles with weekly scrum.