

Yi Fei Chen

Software Developer

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Skills:

Programming Languages:

- Object-Oriented Programming: Strong proficiency in Java and C++ for developing scalable and maintainable software applications.
- Embedded Software Development: Extensive experience in using C for developing embedded systems and low-level programming.
- Scripting Languages: Skilled in scripting with Python and Bash on Linux systems to automate tasks and streamline workflows.
- Web Development: Knowledgeable in web development using the Grails framework for building robust and efficient web applications.
- Database Management: Familiarity with MySQL and MSSQL for designing, querying, and managing relational databases.

Software Development Practices:

- Methodologies: Experienced with Agile and Scrum methodologies, including iterative development, sprint planning, and daily stand-ups.
- Version Control: Proficient in using Git for version control, including branching, merging, and pull requests.
- CI/CD Systems: Familiarity with Continuous Integration/Continuous Deployment (CI/CD) systems to automate build and deployment processes with Jenkins.

Languages:

Multilingual: Fluent in English, French, and Chinese, enabling effective communication in diverse work environments.

Work Experience:

- Software developer, Gigrow, Montreal QC, February 2020 - now
 - Debug existing code and extend new features on an ARM microcontroller.
 - Develop and maintain application on an embedded device that collects data from sensors and monitor for system failure
 - Collaborate with hardware engineers to design and implement an internal testing application
 - Write and execute unit tests and maintain the automated build system using Jenkins

Internships:

- Software Developer, RSVP Tech, Waterloo, ON, September-December, 2016
 - Debugged and resolved issues in backend logic using Java
 - Prototyping android app.
- Software Developer, AppZero, Ottawa, ON, January-April, 2016
 - Debug and fix issues in a C++ desktop application.
 - Implements improvements to the user interface.
- Intermediate Application Developer, CIBC, Toronto, On, May-August, 2015
 - Developed and maintain application code in ASP.NET.
 - Gathered and analyzed requirements from managers and stakeholders to design and implement new features that align with business needs.

Education:

University of Waterloo

- Master of Applied Science in Electrical and Computer Engineering specializing in computer software
2017 - 2019
- Bachelor of Software Engineering Honours Co-op
2012 - 2017