Shukan (Maxwell) Yang

Year 4, Honours Computer Science, Software Engineering Option

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TECHNICAL SKILLS

Programming:	Java, C/C++, C#, JavaScript (TypeScript), Rust, Python, Dart, Assembly
Web:	HTML, CSS / SCSS, XML, PHP, jQuery, React.js, Vue.js, Express.js
Mobile:	Android, iOS (Objective-C), React Native, Flutter
Database/testing:	MySQL (SQL), MongoDB (NoSQL), JUnit, Mocha, Cucumber, Cypress, Selenium
Cloud:	AWS, Firebase
Tools/Environments:	Git, Node.js, Postman, Docker, Kubernetes, Github Actions

WORK EXPERIENCES

Software Developer, SAP (full time, co-op) — Sept 2021 - Current
- Engaged in the development and maintenance of multiple repositories for the App Center product in SAP Concur, with involvements in the MERN stack and Docker containerization
- Experienced responsibilities of a QA by reconstructing the unit tests, integration tests, and E2E tests, which are integrated into the development pipeline
- Participated in the deployments into multiple data centers with Kubernetes
- Documented the full API endpoint set used with OpenAPI (Swagger) and user stories with diagrams
- Presented short demos for features or addressing issues frequently in biweekly sprint meetings

Computer Science Research Assistant, UBC (full time, co-op) — May 2021 - Current
- Worked on understanding the current information required by Prusti (a verification tool for Rust)
- Implemented different designs for data type representations of a Rust program and decouple much of Prusti's translation logic from the specific workings of the Rust compiler

Mobile Software Developer, PDFTron (full time, co-op) Link — Sept 2020 - Apr 2021
- Developed and maintained React Native and Flutter wrapper for PDFTron SDK, in Android (Java), iOS (Objective-C), React Native (JavaScript/TypeScript) and Flutter (Dart)
- Wrote scripts for higher automation in mobile development cycle
- Contributed to and supported technical documentation for products
- Provided customer technical support (issues, tickets) for mobile SDK
- Participated in technical/design reviews and group problem solving activities

Computer Science Teaching Assistant, UBC (part time) — Sept 2019 - Jun 2021
- Assisted students in course materials during labs and tutorials, or in online forums (Piazza)
- Designed pre-class assignments, quizzes and exams for the courses

TECHNICAL PROJECTS

Employee Directory Viewer (8-person, project manager) Link — Jan 2021 - Apr 2021
- Applied a combination of waterfall and agile methodology into an employee directory application
- Contained a search page with filters and sorting function, dynamically generated org chart, and contractor information editing page
- Implemented front-end with React.js and Material-UI, which is hosted in S3 buckets and connected to the C# back-end and database through API gateways
- As the project manager, regularly managed meetings, documented plans, and JIRA tickets

Application Manager (3-person) — Jan 2020 - Apr 2020
- Constructed a website for mobile application analysis with database, which provides functions such as rating, sorting, and viewing application in user-defined order
- Realized client-side with HTML, CSS, JavaScript, server-side with PHP and MySQL for query handling

EDUCATION AND COMPETITIONS

Bachelor of Science — Sept 2018 – Apr 2023 (Expected)
The University of British Columbia (UBC) — Vancouver, BC
- **Major:** Honours Computer Science, Software Engineering Option
- **Current Year Standing:** 4
- **GPA:** A
- **Awards:** UBC Dean's list, UBC Science Scholar, UBC Trek's Excellence scholarship (top 5%)

IEEEXtreme Programming Competition 13.0 (3-person) — Oct 2019
- Team (with 2 other team members) ranked 1st among all 55 teams in Canada, and top 5% globally
- Solved problems mainly about algorithm design and data structures in 24 hours