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# Shukan (Maxwell) Yang

## Year 4, Honours Computer Science, Software Engineering Option

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### TECHNICAL SKILLS

| | |
|---|---|
| **Programming:** | Java, C/C++, C#, JavaScript, TypeScript, Python, Racket, Dart, Assembly |
| **Web:** | HTML, CSS / SCSS, XML, PHP, jQuery, React.js, Vue.js, Express.js, Rest API |
| **Mobile:** | Android, iOS (Objective-C), React Native, Flutter |
| **Database/testing:** | SQL, MySQL, MongoDB (NoSQL), JUnit, Yarn, Chai, Mocha |
| **Tools/Environments:** | Git, Node.js, Postman, Docker |

### WORK EXPERIENCES

**Mobile Software Developer, PDFTron** (full time, co-op) Sept 2020 - Current

- Developed and maintained React Native and Flutter wrapper for PDFTron SDK, mainly in Java for Android, Objective-C for iOS, JavaScript/TypeScript for React Native and Dart for Flutter
- Wrote scripts for higher automation in mobile development cycle
- Contributed to and supported technical documentation for products
- Provided customer technical support by answering/solving customer questions related to mobile SDK
- Participated in technical/design reviews and group problem solving activities

**Computer Science Teaching Assistant, UBC** (part time) Sept 2019 - Current

- Assisted students in course materials during labs and tutorials
- Designed pre-class assignments, quizzes and exams for the courses
- Answered questions asked by students on online forum (piazza)
- Courses: CPSC 313 is a low-level course about the fundamentals of computer hardware and operating system, CPSC 210 is a software-engineering course which emphasizes on Objected-oriented programming in Java, and CPSC 121 is a preparation course to algorithm and data structures

### TECHNICAL PROJECTS

**Employee Directory Viewer** (8-Person, project manager, academic) Jan 2021 - Current

- Applied a combination of waterfall and agile methodology, built a serverless employee directory application for Associated Engineering
- Contained a search page with filters and sorting function, a detailed employee information screen and a dynamically generated org chart
- Implemented front-end with React.js, which is connected to the C# back-end and AWS database through S3 bucket and API gateways
- As the project manager, regularly hosted meetings, documented plans, requirements and progress in JIRA to ensure high work flow

**Application Manager** (3-Person, academic) Jan 2020 - Apr 2020

- Constructed a website for mobile application analysis with database support, which provides functions such as rating, sorting, and viewing application in user-defined order
- Realized client-side behaviors with HTML, CSS, JavaScript, server-side with PHP and MySQL for query handling

**Online Team Communication Tool** (1-person, personal) Dec 2020 - Current

- An online platform which allows team members to communicate and send files under configurable channels in real time
- With Node.js, front-end was built using React.js, while back-end was built with Express.js and MongoDB

### 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