

An Qi Wu

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Technical Skills

Languages Python, Java / RxJava, C / C++, Scheme (Racket), HTML / CSS, JavaScript, jQuery
DevOps Docker, Git, Jira, Jenkins, Bitbucket, Shippable
Tooling Android Studio, MySQL, MongoDB, Pycharm, Bash, Bootstrap, R / RStudio, AWS, gRPC

Work Experience

Server Developer | Kik Interactive.Inc

January - April 2019

- Part of the Kik Server team, responsible for designing and implementing new features, maintaining production codebase and fixing bugs in **Java** and **Go**.
- Use **gRPC** microservices framework to write high-performance server components.

Software Development Intern | Raven Telemetry

May - August 2018

- Wrote and revised **Python** scripts to automate repetitive manual tasks and to improve internal tooling, such as performing **MongoDB** CRUD operations and parsing CSV files.
- Developed new features and reduced tech-debt by refactoring code for Raven's android app in **Java**.
- Increased mass update time from 2 days to a few hours by fixing concurrency issue with the app's downloader.
- Launched **Docker** containers with Ansible to run microservices.
- Implemented and refactored unit / integration tests for repositories, apps and infrastructures.

Projects

Class Attendance

Starterhacks, March 2018

- Created a web app that enables teachers to quickly take attendance with QR codes.
- Used Microsoft's **.NET** Framework and followed the **MVC** architecture.
- Modelled and implemented database in **MySQL**.
- Customized front-end functionality using **Bootstrap** and **jQuery** for teachers and students.

Subscription Page

Jan 2018

- Implemented an interactive web page allowing users to subscribe to newsletters with their email address.
- Improved user experience with responsive design using **Bootstrap**.
- Used **JavaScript** to handle client validation.

Financial Advisor

UW Local Hack Day, Dec 2017

- Built an online financial assistant aimed towards university students to help them with budgeting.
- Used web development tools such as **Dreamweaver** to build the project in **HTML**, **CSS** and **Javascript**.
- Incorporated a budget calculator, a downloadable spreadsheet, and an account setup page.

3D Modelling

Jan - May 2017

- Studied the mathematics behind 3D modelling and Bezier surface.
- Conceptualized and created a 3D chess piece in **MATLAB**.

Extracurricular Activity

Mathematics Tutorial Centre Tutor

Sept - Dec 2018

- Tutored and answered questions in Calculus 1 & 2, two courses taken by over 1000 students, 3h / week.
- Assessed the student's level of understanding and explained different concepts at an appropriate level.

Education

University of Waterloo

CANDIDATE FOR BACHELOR OF COMPUTER SCIENCE, HONOURS, CO-OP

(Expected) 2017 - 2021

- GPA: 3.89 | Term Dean's Honours List | President's Scholarship (2000\$)