

Simon Xia

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<https://github.com/SimonX13> | www.shangzhou.org (personal website)

Education

University of British Columbia

Expected Graduation: May 2025

Bachelor of Applied Science

Computer Engineering, Minor in Commerce, Year 3

- Co-op: Available for 4 to 8 months beginning May 2023
- Dean's list 2021
- Data Structure and Algorithm 84%
- Software Engineering 82%

Technical Projects

Help (Java Android, Node.js, MongoDB, Jest), UBC

June 2022 – August 2022

- Users can browse, search, rate, comment, report, and request facilities at UBC on this android app.
- Used MongoDB to store data and built an express server hosted on Azure.
- Used Google Maps API for location display and One Signal API for push notification.
- Tested via Jest to achieve 100% statement coverage for main modules.

NBA Conference Standing (React, CSS), Personal Project

May 2022 – present

- Built with React.JS, Hooks, fetch API, Router in React, SCSS, and rapid NBA API.
- Users can browse for one year of NBA's ascending conference standings by entering a specific year.
- Themes of the UI can be switched by preference.
- <https://nba-react-5e6f0.firebaseio.com> (hosted on firebase).

Gotham Delivery System, (HTML, CSS, JS, Node JS, Python), UBC

March 2022 – April 2022

- Users can order packages on a website and the Lego EV3 delivery cart will deliver the package to up to 6 different locations on a rectangular cardboard map.
- Designed and implemented a server via Node JS hosted on a UBC VM.
- Realized communication between the website server and the server of the Lego EV3 delivery cart (Internet of Things) via TCP.

Internships

GIMC, China

July 2018 – August 2018

Data Analyst

- Interned for the department that creates advertisements for Nissan.
- Collected and analyzed the click-through rate of the advertisements.
- Improved the exposure rate and conversion rate of the advertisements.

Technical Skills

- **Languages:** HTML5, CSS, JavaScript, Java, C, C++, Python, X86 assembly, Verilog
- **Technologies:** React.js, Node.js, Express.js, Jest, MongoDB, Azure, Git, Unix terminal