

Kaiyuan Yang

Computer Science, Year 4

✉ yang.k.yuan@gmail.com

☎ (236) 833-5418

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WORK EXPERIENCE

- **Software Engineer Intern** Remote
Coinbase *May 2022 – Present*
 - Backend Development under Payments & Commerce — Platform.
- **Software Engineer Intern** Vancouver, BC
Salesforce *Jan 2022 – April 2022*
 - Implemented Row Limit Filter in Lightning Reports which closed the gap from Salesforce Classic Reports.
 - Devised frontend test suite with unit and snapshot tests, improving code coverage in Javascript and Jest.
- **Web Developer Co-op** Vancouver, BC
BGC Engineering Inc. *May 2021 – Dec 2021*
 - Worked on Cambio™ Project, using TypeScript React, C#; Implemented new sketch features using Arcgis Javascript API.
 - Refactored the identify Tool service to enable customized template for different clients.
- **Teaching Assistant** Vancouver, BC
Department of Computer Science, UBC *Jan 2020 – present*
 - **CPSC121:** *Model of Computation*
 - **CPSC213:** *Computer Systems*
 - **CPSC313:** *Computer Hardware and OS*
 - Directing tutorials for more than 400 CS students; Holding weekly office hours.

SELECTED PROJECTS

- **Insight UBC Query System** TypeScript, Node.js, Mocha, Git, Vscode *Sept-Dec 2020*
 - Developed a web application with rest endpoints using TypeScript.
 - Implemented a data controller that can parse HTML and JSON data and a query engine that handles queries in the form of JSON Object.
 - Followed Test-Driven Development process, and wrote Robust tests for both backend and frontend.
- **MiniRacket Compiler** Racket *Jan-April 2021*
 - Developed a compiler for a subset of Racket to machine language (x86-64 CPU instruction set with Linux system calls). This includes the phase of intermediate representation, code generation and optimization.
 - Wrote Robust Unit tests for each compiling pass.

PROGRAMMING SKILLS

- **Programming Languages:** C++, Java, C#, TypeScript(Javascript), Racket, Python, MySQL, L^AT_EX
- **Technologies:** Git, Node.js, React, Microsoft Azure, .NET, Visual Studio Code, Azure Data Studio, Agile

EDUCATION

- **University of British Columbia** Vancouver, BC
Bachelor of Science, Honors in Computer Science *September 2018 – April 2023 (expected)*
 - **Grade Average (Cummulative):** 90.8%

AWARDS

- **Trek Excellent Scholarship** *2019/2020*
- **Dean's Honor list/ Science Scholar** *2020/2021*
- **Charles and Jane Banks Scholarship** *2021*
- **Faculty of Science International Student Scholarship** *2021/2022*