Kaiyuan Yang

Computer Science, Year 4

✉ yang.k.yuan@gmail.com   ☏ (236) 833-5418   in kaiy-yang

WORK EXPERIENCE

- **Software Engineer Intern**   Remote
  Coinbase   *May 2022 – Present*
  - Backend Developement under Payments — Retail.

- **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™ Map Project using TypeScript React and C#
  - Implemented sketch widget on the map using Arcgis Javascript API, which allows customized drawing and saving on client-side.
  - Refactored the identify Tool Service in Cambio to enable customized template for different clients.

- **Teaching Assistant**   Vancouver, BC
  Department of Computer Science, UBC   *Jan 2020 – present*

○ **CPSC121:**	○ **CPSC213:**	○ **CPSC313:**
Model of Computation	*Computer Systems*	*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**: Go, Java, C++, C#, TypeScript(JavaScript), Python, SQL
- **Technologies**: React, Datadog, Snowflake, Microsoft Azure, .NET, vscode, 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*