

- **University of British Columbia** Vancouver, BC
 - *Bachelor of Science with Distinction, Coop, Major in Computer Science* *September 2018 – May 2023*
 - GPA: 90.8% (4.33/4.33)
 - Coursework: Computer Hardwares & Operating System, Distributed Systems, Internet Computing, Compiler, Type System
 - Awards: Faculty of Science International Student Scholarship (x2), Trek Excellence Award, Charles and Jane Banks Scholarship (x2)

WORK EXPERIENCE

- **Software Engineer** **Fortinet**
 - *June 2023 – Present* *Burnaby, BC*
 - Enhanced the FortiProxy CLI diagnose framework to improve customer experience.
 - Integrated Python script into FortiProxy autotest framework to detect memory leak
- **Software Engineer Intern** **Coinbase Inc.**
 - *May 2022 – Sept 2022* *Remote*
 - Redesigned the backend data model in **MongoDB** and api using **protobuf** and **grpc** to support payroll direct deposit with mutli-cryptocurrencies.
 - Migrated the **CRUD** operations from **Ruby on rails** to **Golang** monorepo, including service api extension, graphql endpoint redirect and data migration
 - Implemented both the backend and frontend bussiness logic on two incentive activation emails for direct deposit account registration, driving up MTU by **10%**.
 - Designed and Enhanced Monitoring and alerting **metrics** in DataDog for tracking the direct deposit payment service health.
- **Software Engineer Intern** **Salesforce**
 - *Jan 2022 – April 2022* *Vancouver, BC*
 - Implemented Row Limit Filter and Integrated with other filterings in Frontend using **React** and **CoffeeScript**.
 - Refactored and Implement Java backend API which improves the filtering speed by **30%**
 - Devised frontend test suite with unit and snapshot tests, improving code coverage from **70%** to **90%**.
- **Software Engineer Intern** **BGC Engineering Inc.**
 - *May 2021 – Dec 2021* *Vancouver, BC*
 - Implemented the 'sketch & save' feature on the Cambio™ map using the ArcGIS API and **TypeScript** **React**, a critical tool for site workers.
 - Developed a data parser to convert MySQL DB Geometry to Esri Geometry, reducing data size by **50%**.
 - Automated the SQL database injection process with a script, boosting efficiency by **30%**.
 - Refactored the backend identify Tool Service in **c#** to support customized template while reducing the payload size by **50%**.

SELECTED PROJECTS

- **Reliable BitTorrent** **Go**
 - Developed and implemented a customized BitTorrent client and tracker server in Golang, optimizing resource allocation for improved performance.
 - Designed comprehensive functional and validation tests to demonstrate proof of concept and ensure robustness.
 - Collaborated with a team of three members, adhering to project proposal and report guidelines.

SKILLS

- **Languages:** C/C++, Java, Golang, Rust, Python, GrahpQL, Typescript, Bash, SQL, Tcl, Racket
- **Technologies:** React, Node, Git, Docker, REST, Datadog, Snowflake, Protobuf, gRPC, MySQL, Vim