

# Jason Mac

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## EDUCATION

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### University of British Columbia

Vancouver, BC, Canada

*Bachelor of Applied Science in Computer Engineering*

*Sept. 2024 - Present*

- GPA: 97.1%
- Relevant Coursework: Algorithm Design and Analysis, Database Mangament Systems, Software Construction, Probability

### Douglas College

New Westminster, BC, Canada

*Engineering Associate*

*Sept. 2022 - May 2024*

- GPA: 4.24/4.33
- Relevant Coursework: Intro to Python, Calculus I-III, Linear Algebra, Discrete Math

## SCHOOL PROJECTS

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### League of Legends Analytics | *Javascript, Express.js, HTML, Oracle*

July 2025 – Aug. 2025

- Designed a full-stack application to help players analyze performance and make informed champion and strategy choices based on trending data
- Developed the web application using a Node.js and Express.js backend serving RESTful APIs and a dynamic frontend using JavaScript and HTML
- Implemented database schemas and queries using Oracle to store and retrieve league of legends match data
- Collaborated with two other team members using Git for version control and code reviews

### Fitness Workout Logger | *Java, Java Swing, JUnit*

Sept. 2024 – Dec. 2024

- Developed a desktop fitness tracking application to log workouts, manage routines, and analyze progress
- Applied test-driven development to guide feature implementation through iterative testing with JUnit
- Used JSON for persistent data storage, allowing users to save and load workout data from file locally
- Implemented a Swing-based GUI with multiple interactive tabs for adding, viewing, filtering, and deleting workouts

## TECHNICAL SKILLS

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**Languages:** Python, C++, SQL, JavaScript, HTML, Java, Bash/Zsh, L<sup>A</sup>T<sub>E</sub>X

**Developer Tools:** Git, GitHub, Neovim, Visual Studio, Jupyter Notebook

## EXPERIENCE

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### Site Foreman

Jan 2020 – May 2022

*True Level Concrete*

*Surrey, BC, Canada*

- Manage teams of three or more to ensure work contracts are completed within given deadlines
- Engage in the repairs of concrete foundations and slabs through industry methods
- Repair and maintain mechanical equipment in work trucks
- Sell to customers further services as determined on site

### Produce Associate

June 2018 – May 2019

*Walmart*

*Surrey, BC, Canada*

- Restocked produce efficiently to maintain fresh, high-quality inventory for customers at all times
- Provided knowledgeable assistance to customers, addressing product inquiries and providing answers that meet their needs
- Collaborated with team members to organize the produce section, share responsibilities, and ensure a clean, welcoming environment

## REFERENCES

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- References given upon request