# Mizuki Shindoh

604-317-2964 | shindohm0510@gmail.com | [LinkedIn](#) | [GitHub](#) | [Website](#)

## TECHNICAL SKILLS

**Languages**: Python, C/C++, Java, JavaScript, TypeScript, HTML/CSS, SQL, Go
**Developer Tools**: Git, GitHub, Jira, VS Code, Visual Studio, PyCharm, Jupyter Notebook, IntelliJ
**Frameworks & Libraries**: spaCy, TensorFlow, Spark NLP, Node.js, Mocha, Chai

## EXPERIENCE

**Junior Software Developer** — Sep 2023 – Aug 2024 (Co-op), Sep - Dec 2024 (Part-time)
*LUCID Vision Labs, Inc.* — *Richmond, BC*
- Developed software plugins for machine vision cameras across Windows and Linux, enabling Machine Learning-powered object detection and classification with improved user interface and progress updates
- Implemented data processing interfaces using C++, C, C#, and Python to support 80 in-house pixel formats, optimizing multi-head camera outputs by de-interleaving image channels
- Produced public code examples demonstrating advanced machine vision capabilities, incorporating external libraries to enhance client implementation and usability of the product
- Constructed unit and functional test frameworks for robust plugin validation, ensuring reliable performance

**AI Analyst** — May – Sep 2023
*BC Cancer* — *Kelowna, BC*
- Contributed to a clinical Natural Language Processing research, extracting medical data from unstructured pathology reports using spaCy, TensorFlow, Spark NLP and Healthcare NLP API
- Conducted and evaluated machine learning tasks such as Classification, Named Entity Recognition, and Relation Extraction in Python to improve AI model performance in medical information processing
- Presented findings at the BC Cancer Summit 2023 and the e-Health 2024 Conference and Tradeshow, contributing to industry knowledge on AI applications in healthcare

## PROJECTS - PORTFOLIO 🔗

**Insight UBC** 🔗 | *TypeScript, Node.js, Express, Mocha, Chai*
- Built a web application for UBC course and room data processing, featuring RESTful API endpoints for data manipulation (add, delete, query) using Agile methodologies and Test-Driven Development
- Implemented backend solutions for data validation and storage, optimizing data management

**Disaster Tweets Text Classification** 🔗 | *Python, spaCy, TensorFlow*
- Developed a text classification model to identify disaster-related tweets, integrating early stopping and accuracy visualization for effective model training

**Java Bookshelf Application** 🔗 | *Java, JUnit, IntelliJ, Java Swing*
- Designed and developed an application that allows the user to store and edit information of books
- Implemented unit tests with JUnit and database in JSON format for steady functionality and persistence

## EXTRACURRICULAR ACTIVITIES

**UBC AI Safety Intro to AI Alignment Reading Group** — Oct 2024 - Present
- Engaged in discussions on responsible AI development and alignment, focusing on ethical and safety considerations

## HACKATHONS

**Fastr Food** 🔗 | MHacks 14 | *JavaScript, HTML/CSS, jQuery, Bootstrap, Firebase, Google maps*
- **Best Beginner Hack, Best Use of Google Cloud - Use any Google Cloud product - 2nd place**
- Developed the front-end of a web application that aggregates dining hall wait times and provides navigation to the fastest food options

## EDUCATION

**University of British Columbia** — Sep 2021 - May 2025 (expected)
*Bachelor of Science in Computer Science*

**Langara College, Dean's Honour Roll** — Jan 2020 - Aug 2021
*Computer Science, Transferred to University of British Columbia*