

# Farrandi Hernando

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## Education

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**Masters of Data Science**, *University of British Columbia* [🔗](#) 09/2023 – present | Vancouver, Canada  
Completion July 2024 | **GPA: 93%**

- Relevant Courses: Supervised and Unsupervised Learning, Databases, Software Development, Cloud Computing

**Bachelor of Applied Science**, *University of British Columbia* 09/2018 – 05/2023 | Vancouver, Canada  
Engineering Physics (Computer Science focus) | **GPA: 84%**

- **Awards:** TREK Excellence Scholarship (Top 5%), Outstanding International Student, Dean's Honour List

## Work Experience

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**Google**, *Software Engineer Intern @ Google Cloud* 06/2023 – 09/2023 | Seattle, USA

- Streamlined Cloud's manual multi-step database location management into one step, leveraging GCP Workflows
- Engineered Java API endpoints with async programming, DI, permission checks, and resource assessments
- Identified & resolved issue in Cloud's database scaler, improving auto-scaling & reducing on-call incidents by 20%

**iClinic Systems Inc.**, *Software Engineer Intern @ ML R&D* 05/2021 – 12/2021 | Vancouver, Canada

- Built High-Accuracy NER Model (91%) for NLP pipeline with tokenization, pattern matching, entity linking using spaCy
- Automated Data Entry by integrating the NLP pipeline into Flask app, saving users 5 min/report upload
- Engineered backend database services for Frailty Forms and Parkinson's page using Java, Spring, PostgreSQL, and 4D

**Ausenco**, *Software Engineer Intern @ Simulation Team* 01/2020 – 04/2020 | Vancouver, Canada

- Integrated 1500+ Open-Source Commits (Java) for optimizations, bug fixes, and feature enhancements to their Transport and Logistics Simulation (TLS) software
- Secured \$1M ExxonMobil project by co-authoring the proposal using data analytics and visualizations (Python)

**Mejakita**, *Co-Founder and COO* [🔗](#) 04/2016 – 06/2019 | Jakarta, Indonesia

- Orchestrated ed-tech startup growth, earning recognition in WAC's top 150 impactful startups in Asia Pacific
- Oversaw operations and managed cross-functional team, driving acquisition of 30,000+ users in 200+ cities nationwide

## Projects

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**TidyverseToPandas**, *Python package for Tidyverse's syntax in Pandas* [🔗](#) 01/2024 – 02/2024

- Created a Python package to have common functions in Tidyverse such as mutate, arrange, select, and filter in Python
- Implemented CI/CD pipeline using GitHub Actions to automatically deploy to PyPI and ReadTheDocs

**Shopeer**, *social match-making app for shopping* [🔗](#) 05/2022 – 08/2022

- Developed a social media Android app in Java, facilitating bulk buying and group discounts
- Designed frontend with MVC architecture for Android client in AS, integrating automated testing with Jest, Codacy, and Espresso on GitHub
- Engineered API Endpoints with Express.js, enabling real-time chat via Socket.IO, hosted on Microsoft Azure

**Auto-Police**, *virtual autonomous car + computer vision* [🔗](#) 09/2020 – 12/2020

- Implemented edge detection, masking and perspective correction to get cropped license plates from camera feed
- Built a CNN with Keras to take in cropped license plate images and output alphanumeric text with 90% accuracy

## Skills

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**Languages:** Python, R, Java, JavaScript, C, C++, MATLAB, Julia, Protobuf

**Tools/Frameworks:** NumPy, Pandas, sklearn, TensorFlow, PyTorch, OpenCV, spaCy, PostgreSQL, Docker, JupyterLab