

## Career Objective:

I am a second year Computer Science student with a passionate interest in using emerging technology in Artificial Intelligence and Big Data analytics to gain fresh insights and perspectives on complex and ambiguous systems and tasks, with an eye to finding hidden value and potential that can alter the way people conceptualize and prioritize their tasks and goals.

## Education Summary:

Bachelor of Science majoring in Computer Science, minoring in Physics and Information Science,  
University of Otago 2023-2025

Bachelor of Science majoring in Journalism, University of Florida 2012-2016

## Projects:

### Image editor

- Collaborated as part of a team of programmers to build an image-editing application using Java.
- Coded the median filter and the image rotation option.
- Improved the GUI to enhance the user experience and handled errors and bugs.
- Currently in charge of implementing multilingual support and editing the app's documentation to improve user-friendliness.

### Personal website

- Currently building a personal website using HTML, CSS and Java to participate in a competition by IMC Trading.
- Self-taught how to use Apache to host websites.

## Work experience:

### Demonstrator, School of Computing, University of Otago:

February 2024 - present

- Coordinating with a small team to tutor and motivate first-year Computer Science students to grasp key concepts in Object-oriented programming in JAVA and guide them in solving programming challenges.
- Administering and grading mastery tests during the lab.

### Data Annotator, OmniEye, Dunedin, New Zealand:

February 2024 - present

- Collects videos from dairy farms across New Zealand and uses AI to detect lameness in cows and help farmers prioritize care.
- Liaising with a team of annotators to aggregate data.
- Compiling accurate data sets used in training the machine learning algorithm.

- Collected and handled data to monitor the water quality of an aquaculture business operation.
- Read data from sensors in the field and entered data to the company database.
- Designed PowerPoint presentations to present to clients and stakeholders using charts, graphs and tables to convey information effectively.

### Technical skills:

Java: Experienced in handling data structures like linked lists, union-find and hashmaps. Have used GUI toolkits like Swing and JavaFX to create desktop applications.

Python: Proficient at numpy, sci-py, matplotlib, seaborn, pandas and Beautiful Soup libraries for web scraping, data analysis and data visualization.

R: Have used ggplot2 for data visualization. Learning to use caret for machine learning.

PostgreSQL: Used it in DBeaver to create queries and manage an online database.

Other software: Excel, PowerPoint, Word, Photoshop, InDesign, Linux

Generative AI: Have experience with Microsoft Copilot and the Perplexity web browser to search for information online quickly.

Coursera Certifications: Google Data Analytics Professional Certificate, IBM Data Science Professional Certificate.

Other Certification: Currently enrolled in the Microsoft Student Accelerator program for New Zealand in the Data Science stream.

### Interests:

I enjoy spending part of my spare time working on programming challenges on Leetcode. I am also keen to keep up with articles and stories about AI published on restofworld.org and TechCrunch.

### Referees

Karen Gray – Professional Practice Fellow at the School of Computing

karen.gray@otago.ac.nz

Karen oversaw the labs in my programming course. I now work for her as a demonstrator.

Emma Douma – Professional Practice Fellow at the Department of Physics

emma.douma@otago.ac.nz

Emma oversaw the labs in the Experimental Physics course I took last semester.

Ratno Timur – General manager at PT. Indonusa Yudha Perwita

kameradratno@gmail.com

Ratno was my boss and has known me for 3 years.