Jayti Pattni

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Personal Statement

As a second-year Computer Systems Engineering and Computer Science student at the University of Auckland. I am eager to apply what I've learned and my problem-solving passion to a dynamic work environment where I can make a meaningful contribution.

Education

2022 - Current | BE Computer Systems Engineering/ BSc Computer Science | UoA

- GPA: 7.9/9.0

- Relevant papers: SOFTENG 281 (Introduction to software fundamentals) achieved A*

- Activities: Secretary of Auckland University Student Chamber Orchestra

2021 Semester 1 | Maths 199 University of Auckland Young Scholars Programme| UoA

- Achieved an A

2017 - 2021 | Cambridge International Examination | Macleans College

- NZQA Scholarship in Calculus

- All A's and A* at AS and A Level

Project Experience

Current | MNIST Neural Network | Python

- This is a self-taught project, I have a passion for machine learning and AI. I designed and implemented an artificial neural network that classifies handwritten digits from 0-9. Currently, my model can achieve 96% accuracy.

Semester 1 2023 - Present | Tic-Tac-Toe | Python

- A program which allows you to play GUI python-based game of tic-tac-toe

Semester 1 2023 | Insurance System | Java

- University assignment where we designed and implemented an insurance system. The system's capabilities included client and policy management, calculating individual and multiple policies, and applying discounts for clients with multiple policies.

2021 | Game of Life | MATLAB

- Created a MATLAB program which implements the Game of Life rules to find a period-19 oscillator

Technical Skills

Programming languages

- Python/ C/ Java/ MATLAB

Basic Git Usage

- Used git in university assignments and personal projects

Work Experience

December 2022 - Present | AUSCO Secretary

- Take meeting minutes and update other exec members on our plans
- Send out email updates to club members
- Make room bookings for rehearsals and social events

April 2022 - Present | MyTuition Private Tutor

- Provide one-on-one tutoring sessions ranging from intermediate math to year 13 Cambridge International level.
- I regularly assess my student's progress using quizzes and tests. I would then provide constructive feedback and adjust my teaching strategy if needed.
- I successfully helped my students improve their academic performance and helped them gain confidence in their math skills. For example, I helped a year 9 student go from 50% to 70% in their test scores!

Nov 2021 - Present | McDonald's Crew Member:

- Provide excellent customer service, which involves promptly addressing customer inquiries and concerns.
- Collaborate effectively with team members to ensure the smooth operation of the restaurant.
- Demonstrate strong multi-tasking skills by managing multiple tasks.

January 2022 - December 2022 | HSM Music Assistant

- Helped ensure the music school would run smoothly by setting and packing up classrooms and the music hall for the day and printing music for students.

Interests

- Double Bass player in local orchestras
- Yellow belt in Judo
- Artificial Intelligence and Machine Learning