

# Jayti Pattni

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## Personal Statement

I am a second-year Computer Systems Engineer and Computer Science student at the University of Auckland. I'm eager to apply what I've learnt 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 programme 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

- Manage communication between members and coordinate logistics such as rehearsals, event bookings, and concert planning.

### April 2022 - Present | MyTuition Private Tutor

- Provide tutoring to intermediate to year 13 Cambridge International Level students in mathematics and physics.

### Nov 2021 - Present | McDonald's Crew Member:

- Provide customer service while collaborating with teams members for an efficient restaurant operation, and handle 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