

# Andy Lee

4A Parr Terrace, Milford, Auckland | +64 022-150-1234 | keehoon2004@gmail.com | Github | LinkedIn

## Summary

---

I am an Enthusiastic and dedicated third-year Software Engineering student at the University of Auckland, eager to apply my programming skills and passion for software development in a challenging internship role. I aim to contribute my knowledge, problem-solving abilities, and team collaboration skills to gain practical experience in a professional setting. I have an interest in Network security and Cybersecurity.

## Educational Background

---

Westlake Boys HighSchool - 2017 to 2021

NCEA - 1, 2, 3 excellence endorsements

University Of Auckland - 2022 to present

University GPA - 7.8

- Expected Graduation - November, 2025

## Work History

---

KFC cook [December 2021 - February/2022]

- Demonstrated strong time management skills in a high-pressure, fast-paced environment.
- Adapted quickly to new responsibilities to handle various tasks effectively.

Private tutor in Mathematics [January/2021 - November/2021]

- Assisted in delivering educational content to a student studying NCEA level 3.

## Volunteer Experience

---

Interact Group [2018 - 2021]

- The Interact Group at Westlake Boys High School seeks to preserve our environment, through clean-ups at local beaches and parks.

Transition Buddy Group [2020 - 2021]

- The Transition Buddy Group is designed to assist new Year 9 students settle in at Westlake Boys High School, introducing them to different sports clubs and activities available at the school.

Korean school of Auckland [2018 - 2019]

- The Korean School of Auckland aims to deliver educational content to a class of 20 students and facilitate interactive learning sessions.

## Extra-Curricular Activities

---

Member of Software Engineering Student Association (SESA) [2022 - Present]

- SESA is the Software Engineering Students Association for students and alumni of the Software Engineering programme at the University of Auckland.

Piano/Flute [2014 - 2022]

- Developed a strong interest in music through learning to play the piano and flute. Though no longer taking formal lessons, I continue to play both instruments as a hobby.

# Projects

---

## Internet Banking Software - [internet-banking-system](#)

- Developed an Internet Banking Software application using HTML programming, incorporating user data storage and security measures.
- Implemented robust data security practices, including hashing techniques and encryption, to ensure the protection of user information.

## University Gaming Project (Collaboration) - [escape-room](#)

- Collaborated with a team of developers on a gaming project for university.
- Leveraged the OpenAI API to incorporate innovative and engaging game features, enhancing the overall user experience.

## AI Neural Network Driving Simulation - [neural-network-aicar](#)

- Implemented a genetic neural network architecture using Deeplearning4j, demonstrating proficiency in configuring and training neural networks.
- Explored and implemented various techniques, including iteration cycles, combining neural networks, mutation, predicting output, and creating appropriate network layers.

## Network Packet Analyser - [network analyzer](#)

- Developed a network packet analyser using npcap to capture and analyse packets from various protocols and transport types.
- Designed a tool to detect malicious activity by monitoring packet structures and behaviours in real-time.

# Skills

---

Java · C++ · HTML · CSS · Javascript · Matlab MySQL · Database Management · SQL Git/GitHub · Version Control · Data Structures and Algorithms · Requirements Engineering · Performance Analysis · Time Complexity · OOP · Systems Design · Problem Solving · Agile Methodologies · Operating Systems · Memory Management · File Management · Concurrency · Real-Time and Embedded Systems · Network and Security · Cyber Security · Software Testing and Quality Assurance · Mathematical Modelling · English · Korean · Professional Communication · Driver's Licence