

# Sarah Kyoung Kim

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## PROFILE

Computer Science graduate looking for opportunities to further my skills within the industry. With high achieving results, I have developed perseverance, critical thinking, and management skills. I love learning and solving problems and want to apply my knowledge within the practical situations and outside my comfort zone.

## EDUCATION & QUALIFICATIONS

**University of Auckland** - Bachelor of Science majoring in Computer Science 2020-2022

- Expected to complete studies in November 2022
- GPA – 8.05
- Summer Research Scholarship 2021
- Backend developer for Web Developer Consulting Club 2022
- Relevant coursework: HTML/CSS/JavaScript/TypeScript full stack development and UI/UX design, Fundamentals of Agile techniques, RESTful API with C# and .NET, Python for full development with Jinja, Flask, and SQLite, ML and A.I in Python, Image processing with OpenGL and OpenCV

**Westlake Girls High School** - Excellence Endorsement in NCEA level 3 2015-2019

- Academic Excellence Award 2018-2019
- Scholarship in Biology 2019

## SKILLS

### JavaScript/TypeScript

- Gained experience in using the MERN stack, Next.js, and vanilla JavaScript by developing web applications for university projects
- For my final project, I developed and deployed a [note-taking application](#) designed for programming students that will be on trial in Summer School 2023

### Python

- Learnt to conduct data analysis with modules such as Pandas, Numpy, Matplotlib, Scikit-Learn, SciPy
- Fluent within the language as it is the primary language used in most of my computer science courses and coding projects

**Other technical skills:** Java, C, Python, HTML, CSS, Git, SQL

### Soft skills

- **Attention to detail:** Adept at dealing with multitudes of information and data without any mistakes from my recent experience within the research field.
- **Communication:** Excel in effective communication to ensure my peers and customers understand me and create a positive environment. To achieve good results within my jobs and projects, I make sure to communicate to improve my skills and keep everyone on track.
- **Problem solving:** Both my degree and recent jobs required a high level of problem solving and critical thinking. By improving my ability to investigate and seek new solutions, it has helped me academically and in a workplace.
- **Adaptability:** Demonstrated to calmly adapt to unpredictable situations and take on my responsibilities during my experience in hospitality and research
- **Time Management and Initiative:** From working between my studies, Teaching Assistant, and club commitments, I have learnt to manage my time effectively to ensure the quality of my work. This has helped me take initiative to ensure things get done.

**Languages:** Basic Korean and Japanese, Fluent in English

## EXPERIENCE

### Back-End Developer | Web Development & Consulting Club

April 2022 to Now

- Built a CRUD operation with MongoDB, Express, TypeScript to manage users and events for a youth board
- Planned and developing web applications by collaborating with teammates with agile techniques

### Teaching Assistant – Part-time | University of Auckland

Mar 2022 to Now

- Graded over 100 student assignments within Assembly Language, Java, and C
- Provided constructive feedback and communicated with students on marks to help further their learning

### Summer Research Internship | University of Auckland

Dec 2021 to Feb 2022

- Researched the routine of New Zealand bats using bat calls, SciKit Learn, Librosa, Python
- Created a pipeline to pre-process, identify and analyse wav files to produce concrete results
- Presented results to University of Auckland's Machine Learning Group
- Communicated and helped contribute further research towards a Master's students research
- This opportunity gave me the chance to explore and learn machine learning and data analysis techniques

### Research Assistant | University of Auckland

Oct 2021 to Jan 2022

- Assisted in researching and developing pipelines for applicability domains
- Pre-processed and organised the datasets for the project created summary graphs of the outcome for a PhD student's thesis

### Kitchen Hand/Front of House | Paulo Cafe

Nov 2019 to Jul 2021

- Managed the communication and workflow between the kitchen and front of the house to ensure efficient and seamless service
- In-charged of maintaining organisation within the kitchen
- Ensured customer satisfaction is achieved through knowledge of meals and customer's usual requests

## INTERESTS

- Program coding projects as it allows me to use my creativity, explore what is achievable with programming, and improve my skills as a programmer
- Strong interest in typology(study of personality models). I have typed over 20 people within 2 systems and helped them understand themselves and provided advice on what may help them develop as people
- Experimenting with food to explore new flavours and understanding the science behind it

## REFERENCES

Contacts given upon request:

Katharina Dost | Doctoral Candidate for University of Auckland  
 Joerg Simon Wicker | Senior Lecturer of University of Auckland  
 Andrew Heinz Jones | Piano teacher