# LOO YIK LEONG

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## EXPERIENCE

**Software Developer, Weshine**                                     **Dec 2023 - Apr 2024**
- Created new features for the company's web application, such as an admin dashboard, using React, Astro, Firebase, Tailwind CSS.
- Incorporated Large Language Models into the company's web application to assist employers with tasks such as writing job descriptions.
- Worked with other developers in an Agile environment with regular sprints.

**Full Stack Developer Intern, Azbil Corporation**                 **May 2023 - Jul 2023**
- Developed new features for the Airside Digital Twin (ASDT) application using Python, FastAPI, Vue.js, pandas, MySQL, Plotly.
- Improved on existing features of the ASDT application such as data management and speeding up calculations.
- Carried out testing of the ASDT application by writing unit tests and testing the installation procedure.
- Deployed the ASDT application in the cloud using AWS. Worked with EC2, RDS, Security Groups and Elastic IPs to accomplish this.
- Created documentation for the ASDT application such as design specifications, manuals and the user guide.

**Teaching Assistant, National University of Singapore**           **Aug 2022 - Present**
- Conducted weekly tutorial classes for CS1010J, CS1010E Programming Methodology.
- Taught students Java, Python programming fundamentals, design and techniques, and answered queries from students.
- Marked and provided feedback on students' homework submissions.

## EDUCATION

**National University of Singapore**                               **Aug 2021 - Aug 2025**
**Bachelor of Computing in Computer Science**
- Currently an undergraduate student majoring in Computer Science.

**Temasek Junior College**                                         **Jan 2017 - Dec 2018**
**GCE 'A' Level**
- Scored 5 distinctions in the 2018 GCE 'A' Level examinations.

**Dunman Secondary School**                                        **Jan 2013 - Dec 2016**
**GCE 'O' Level**
- Scored 7 distinctions in the 2016 GCE 'O' Level examinations

## SKILLS

- Full Stack web development using HTML, CSS, Javascript, Node.js, React, Vue, Python, FastAPI, SQL, pandas, Firebase, Astro, Tailwind CSS, REST API.
- Experienced in AWS services such as EC2, RDS, S3, DynamoDB, Lambda, CloudFormation, CloudWatch, Cost Explorer.

- Knowledge of SDLC and project management methodologies such as Agile and Waterfall.
- Proficient in Java, Python and C programming.
- Comfortable working with large datasets and JSON files.
- Possess strong communication and interpersonal skills.

## CERTIFICATIONS

- AWS Certified Cloud Practitioner

## PROJECTS

- Personal portfolio website built using HTML, CSS, Javascript, jQuery and Bootstrap. https://bearypop.github.io/Website/
- Doggiepedia, a web-based encyclopedia for dogs lovers and aspiring dog owners to find out more about various dog breeds! Built using React, HTML, CSS, JavaScript. https://doggiepedia.netlify.app/
- Weather web application that allows users to get the temperature, weather conditions of countries. Built with Node.js and utilised the OpenWeatherMap API. https://github.com/Bearypop/WeatherApp
- Discrete Event Simulator school project. A command-line interface program that allows the user to simulate the events that take place in a fast-food restaurant such as customers arriving, staff serving the customers etc. https://github.com/Bearypop/CS2030/tree/main/Project