



<LOY CATHERINE KI-YIN>

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PROFESSIONAL EXPERIENCE

Software Engineer Intern
Vertex Venture Management
May 2021 - Jul 2021

- Productionised AI models and create a web application for company's internal users using Django.
- Containerised web application using Docker, and deployed it on Google Cloud Platform's Cloud Run.
- Implemented weekly news scrapers using Python and BeautifulSoup, and deployed it on Apache Airflow.

Software Developer Intern
Augmentus
Dec 2020 - May 2021

- Developed feature in Augmentus app using C# and AWS to train and deploy object detection models.

Software Engineer Intern
Hiverlab
May 2020 - Jul 2020

- Built landing pages to showcase and promote Hiverlab's products.
- Converted UI/UX design wireframe to a styled website using HTML, CSS, JavaScript and Bootstrap.
- Collaborated on SMU Virtual Graduation 2020 project to develop landing page and implement the MobileAR feature.

EDUCATION

Bachelor of Computing in Computer Science

National University of Singapore
Aug 2018 - Present (Expected graduation: June 2022)
Focus Areas in Software Engineering and Artificial Intelligence

SKILLS & PROFICIENCIES

- **Languages:** Python, Java, C++, HTML, CSS, C#, SQL
- **Cloud:** Google Cloud Platform, AWS
- **Version Control:** GitHub
- **Frameworks/Libraries:** Django, TensorFlow

PROJECTS

CS3203 Software Engineering Project

- Aug 2021 - Present
- Build a command-line static program analyser from scratch using C++ with 5 other teammates

CO-CURRICULAR ACTIVITIES

Vice-Captain, ACJC Girls' Swim Team

- Aug 2016 - Aug 2017
- Provided leadership as vice-captain for 2016 - 2017 season.
- Demonstrated a high level of initiative by organising camps to facilitate and improve communication and team-bonding among team members.

</FINAL YEAR COMPUTER SCIENCE STUDENT>