

Sheng Yong Christopher Lim

+1 (412) 909 5923 · clim2@cs.cmu.edu · [linkedin.com/in/christopher-lim-sheng-yong](https://www.linkedin.com/in/christopher-lim-sheng-yong) · github.com/christopherlim98

Seeking 2023 summer internship · Expected graduation: 23/12/2023 · Job Interests: Database, Cloud Computing

Education

Carnegie Mellon University

Pittsburgh, PA

Master of Computational Data Science (**Systems concentration**)

May 2022 - Dec 2023

- Selected Coursework: Database Systems (15-445/645), Introduction to Computer Systems (15-213/513), Introduction to Machine Learning (10-301/601)

Singapore Management University

Singapore

Bachelor of Science in Computer Science (AI and Cybersecurity track)

Aug 2019 - Dec 2023

- GPA: 4.0/4.0 · Dean's List for AY19/20, AY20/21 · Recipient of SCIS Aspirations Scholarship.
- Teaching Assistant: · Programming Fundamentals in C · Algorithms and Data Structures.
- Selected Coursework: · Deep Learning and Vision (PhD) · Operating Systems with Android · IT Solution Architecture
- Co-Curricular Activities: · Whitehat Society (Vice President) · Latin Ballroom · Hackathon Enthusiast

Work Experience

Facebook/Meta

Singapore

Enterprise Software Engineer Intern

May 2022 - Aug 2022

- Designed a generic form custom renderer that gives form administrators a no-code way to build and manage forms, replacing the old legacy system which requires significant code changes on multiple systems to add new form fields.
- Collaborated with UX design and data engineers to integrate the custom form renderer into a system serving Meta employees worldwide for all travel and event risk assessment form intake. (React, Relay, GraphQL & Hack)

Open Government Products, Govtech Singapore

Singapore

Software Engineer Intern

Dec 2021 - May 2022

- Worked on two open-sourced projects ask.gov.sg & petitions (hackathon); and two internal projects covid.gov.sg & scamshield.gov.sg to support nationwide efforts to fight scam and support Covid19 vaccination measures for 7 million Singaporeans.
- Implemented authentication flows using OIDC and built anonymity-preserving features for petitions (NodeJS).
- Migrated Covid19 system from JavaScript to Typescript to support typed entities with zero production downtime.
- Setup Storybook integration for reliable UI documentation and spot-testing (JavaScript/TypeScript/React).

Ascenda

Singapore

Software Engineer Intern

May 2021- Aug 2021

- Designed and implemented full-stack features for hotel destination search and user-action tracking across all white labels using Ruby & AngularJS. Presented a tech demo to the entire tech team of over 50 developers.
- Enhanced legacy front-end codebase by migrating from AngularJS to Angular and performing code-refactoring.

Technical Projects

Advanced Threat Detection for Government Commercial Cloud (Capstone project) – Built a data pipeline for building and deploying robust AI models, with cross-platform support for AlaaS solutions from AWS, Azure & GCP.

Copycat – Created a [source code plagiarism detector](#) to detect string similarity and logic similarity using abstract syntax trees, HashMaps and Merkle roots. The project is mainly built on Java and explores various data structures and algorithms.

Ryverbank – Created digital banking API for SMU-X module with Credit Suisse (Singapore) as project owner. Awarded Best Technical Team and delivered tech demo to over 50 Credit Suisse developers.

HelloWorld – Created a [hackathon-winning mobile application](#) that allows travel-hungry users to explore the world and collect landmarks in 3D using augmented reality. The application was built using React-Native and Viro React AR libraries.

Skills & Activities

Programming Languages: C/C++, Python, Java, Javascript/Typescript, HTML/CSS, SQL

Hackathons: · DSTA CODE_EXP '21 (1st out of 200 teams) · JPMorgan Code For Good (Finalist, top 6 in category) · NUS Hack for Good '21 (3rd out of 90 teams) · GovTech Stack the Flag CTF (14th out of 232 teams)