

Sherman Lee

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Personal Website: <https://shermanleejm.github.io>

Python	PHP (Laravel)	Vue JS	React JS
AWS	Docker	MySQL	Tableau
Java	C#	Typescript	Golang
Solidity			

Education

Singapore Management University

- Aug 2018 – May 2022
- Bachelor's Degree in Science (Information Systems)
- Double Major in Software Development and Business Analytics

Work Experience

Software Engineer, Accredify

- September 2021 – Present
- Fullstack web development in **Vue**, **Typescript** and **Laravel** in developing Accredify Passport.
- Performed **machine learning** using **Python** on existing transcripts to create new products for our customers.
- In the midst of transitioning our monolith application to a microservices architecture.
- Deployed and maintained product using **AWS (ECS, S3)** and **GitHub Actions**.

Summer Analyst, Bank of America

- June 2021 – August 2021
- Full-stack development and maintenance of applications for the Equities Technology team using **C#**, **Jenkins**, **Specflow** and **Ansible Tower**.
- Worked on bug fixes and improvements to business workflows when a customer places a new order or changes their processes

Front-end Web Developer, Bambu

- February 2021 – May 2021
- Developed front-end user interface for robo-advisor in **React Typescript**.
- Improved tests with automated testing using **selenium** and **react testing library**.

Co-curricular Activities

Vice-President

- SMU Business Intelligence and Analytics
- Feb 2020 – Feb 2021
- Managed the team by ensuring team's OKR was met and addressing conflicts when they arose.
- Organised a large networking event with 9 companies that attracted over 100 attendees as Events Director by bringing in various companies which include Bloomberg, NCS, Dataspark, Expedia Group, Shopee and more.

Projects

Ascenda Middleware

- Created a middleware for Ascenda. The application consists of converting bank points to loyalty partner points. This project accounted for the various architecture requirements as well as design specifications.
- Deployed the application using **AWS (Beanstalk, RDS)**, **Terraform** and **Github actions** for **CI/CD**.
- Utilised **Django (Python)**, **MySQL**, **React** and **Node.JS**.
- <https://github.com/shermanleejm/ascenda-middleware>

Randy Bank Loan Management for the Unbanked

- Built a fullstack platform for the unbanked and marginalised to apply for loans and receive recommendations to improve their credit score.
- Performed machine learning using **XGBoost** and feature engineering to create the model.
- Implemented in **Python** and **React JS**.
- <https://github.com/shermanleejm/IS453-T1>

Magic The Gathering Collection Organiser

- Complete front-end application with persistent local storage using **IndexedDB**, **React Typescript** and **Tesseract.JS**.
- Allows for users to quickly record and tag their Magic the Gathering collection for crafting new commander decks.
- Visual interface for better interaction with the cards.
- <https://shermanleejm.github.io/#/mtgdb>

Blockchain

- Created a basic implementation of blockchain in **Go** and persistence with **Badger**.
- Side project for learning and for fun and still working on it.
- https://github.com/shermanleejm/Pepi_Coin_Go

Hobbies

Lockpicking, rock climbing, board games, magic the gathering, frisbee