

Matthew Alexander

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Education

National University of Singapore

Bachelor of Engineering (Computer Engineering) with Second Major in Innovation and Design

- GPA: 4.29/5.0 (Distinction) - (3.4/4.0)
- Dean's List (Top 5% in cohort) - AY 18/19 Semester 2

Singapore

Aug 2017 - Jul 2021

Stanford University (Non-Degree Student)

Management Science & Engineering

- MS&E178 - Spirit of Entrepreneurship & MS&E472 - Entrepreneurial Thought Leaders' Seminar

Palo Alto, USA

Apr 2020 - Jul 2020

Skills

Experienced With
Familiar With

C++, NodeJS, SQL, React, React Native, Typescript, Java, NextJS, HTML, CSS, Firebase
Vue, Python, C, Swift, d3, MongoDB

Experience

Shuffle

San Francisco, USA

Software Engineer Intern

Jan 2020 - Present

- Shuffle is a podcast platform that makes it easy to consume & share podcasts highlights, backed by VP of Instagram, CEO of Angellist.
- Developed the [Episode](#) & [Show](#) Page for podcasts listeners to listen to their favourite shows with React, NextJS & Firebase.
- Implemented podcast search & like feature in Shuffle's [iOS application](#) using React Native.

Singtel (Group Enterprise)

Singapore

Software Engineer Intern

May 2019 - Aug 2019

- Spearheaded RESTful API for [Singtel CloudShop](#) - Cloud Services B2B marketplace reselling AWS, GCP, Azure with an estimated 7-digit revenue.
- Developed user purchase flow for enterprise clients from automated emails, cloud account provisioning, reset & forgot password.
- Built overall service using NodeJS, MongoDB utilizing AWS stack (Lambda, S3, EC2, SES).

OVO (PT Visionet Internasional) - Taralite

Jakarta, Indonesia

Software Engineer Intern

May 2018 - Aug 2018

- OVO is Indonesia's largest financial digital payments platform, worked at Taralite - OVO's P2P lending subsidiary
- Integrated DocuSign API to replace legacy loan confirmation API service with GCP tools (GCS, Cloud Functions) using Node JS & Sequelize.
- Spearheaded transformation of loan life cycle for more than 3000 loans to be legally binding using digital signatures from DocuSign.
- Removed 40% of redundant PostgreSQL loan confirmation table data from legacy system .

Projects & Hackathons

iFatigue

Won AngelHack Grab Hackathon from 30 teams, developed computer vision software to detect sleepy drivers in Python.

Arbitrage Engine

Won 2nd place in Merrill Lynch hackathon amongst 20 teams, arbitrage forex engine with socket.io in Java & NodeJS.

COVID-19 Tracker

Built scraper with BeautifulSoup, Cloud Function & Firebase to feed data to website to track spread of COVID-19 in Indonesia.

Watch Together

Built web app to watch videos with synchronized player as if watching side by side, built with socket.io & JavaScript.

Extracurricular Activities

Developer Student Club NUS by Google Developers

Singapore

Head of Technology

May 2020 - Present

- Working with non-profit organizations to solve their problems with technology.

NUS Entrepreneurship Society - UNICON

Singapore

Vice President (Head of UNICON)

Jun 2019 - Dec 2019

- Led team of 26 people to orchestrate UNICON2020 - Southeast Asia's largest student led tech-entrepreneurship conference.
- Boosted sponsorship value from \$15,000 last year to \$60,000 with partners such as AWS, IMDA, OVO & SGINNOVATE.
- Invited more than 30 senior level management speakers from Sequoia, Go-Jek, OVO, Trax, Facebook, Paypal, etc.
- Achieved a 16% increase in purchased tickets numbers from around 300 to 350 tickets.

NUS School of Computing

Singapore

Computer Science Teaching Assistant

Aug 2019 - Nov 2019

- Taught & guided a class of students on Software Engineering & Object Oriented Programming in Java.
- Received an average teaching rating of 4.2/5.0 from students taught.