Matthew Alexander

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Education

National University of Singapore	Singapore
Bachelor of Engineering (Computer Engineering) with Second Major in Innovation and Design	Aug 2017 - Jul 2021

- Current CAP: 4.51 out of 5.0 (3.61 out of 4.0)
- Dean's List (Top 5% in cohort) - AY 18/19 Semester 2
- NUS Overseas Colleges - Southeast Asia Batch 1

Skills

Experienced With   C++, NodeJS, MongoDB, Angular, d3, Typescript, Java
Familiar With   HTML, CSS, Python, C, SQL
Languages   English (Native), Indonesian (Native), Mandarin (Basic)

Experience

NUS School of Computing	Singapore
Computer Science Teaching Assistant	Aug 2019 - Present

- Teaching & guiding students to learn about Software Engineering & Object Oriented Programming in Java.

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 Cloud Services user purchase flow from automated emails, cloud account provisioning, reset & forgot password.
- Built overall service using NodeJS, MongoDB utilizing AWS stack (Lambda, S3, EC2, SES).

Taralite - Subsidiary of OVO (PT Visionet Internasional)	Jakarta, Indonesia
Software Engineer Intern	May 2018 - Aug 2018

- 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

Scrio.ai	Singapore
Co-Founder & Software Engineer	Feb 2019 - Present

- Scrio.ai is a workforce management system for contact centers, it uses neural networks to forecast call volume & recommend staffing schedules.
- Develop data visualization dashboard for contact center managers with d3, Angular, Node & MongoDB.
- Secured both $10,000 funding from NUS Enterprise & booth at Innovfest Unbound 2019.

iFatigue   **Won AngelHack Grab Hackathon**, developed computer vision software to detect sleepy drivers using OpenCV.

Arbitrage Engine   **Won 2nd place in BoA Merrill Lynch Hackathon**, arbitrage forex engine with client-server web socket architecture.

Everyday Challenge   Built an Native Android App to give daily random challenges, level up & share progress through WhatsApp, Facebook.

Extracurricular Activities

NUS Entrepreneurship Society - UNICON	Singapore
Vice President (Head of UNICON)	Jun 2019 - Present

- UNICON is Asia's largest student led tech-entrepreneurship conference, attracting more than 30 speakers such as Chatri Sityodtong (CEO ONE Championship), Sidu Ponnappa (MD Gojek India) & more than 530 participants from Asia and beyond.
- Co-leading a team of 25 members with divisions such as marketing, sponsorship, external liaison and operations for UNICON2020.

N-House - NUS Enterprise	Singapore
Resident Assistant	Jul 2019 - Present

- Developing an inclusive community & maximizing interactions among 100 residents.
- Working together with 5 Resident Assistants to promote entrepreneurship through weekly entrepreneurial related events which draws more than 50 participants.