

# Matthew Alexander

☎ (+65) 87417215 | ✉ alexandermatthew12@gmail.com | 📷 andyrobert3 | 🌐 matthewalexan

## Education

### National University of Singapore

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

Singapore

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

Computer Science Teaching Assistant

Singapore

Aug 2019 - Present

- Teaching & guiding a class of students on Software Engineering & Object Oriented Programming in Java.

### Singtel (Group Enterprise)

Software Engineer Intern

Singapore

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).

### Taralite - Subsidiary of [OVO](#) (PT Visionet Internasional)

Software Engineer Intern

Jakarta, Indonesia

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](#)

Co-Founder & Software Engineer

Singapore

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 from 30 teams, developed computer vision software to detect sleepy drivers.

### [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](#)

Vice President (Head of UNICON)

Singapore

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 460 participants from all over Asia.
- Leading a team of 26 members ranging from operations to sponsorships for UNICON2020 with revenue of more than \$20,000.

### N-House - NUS Enterprise

Resident Assistant

Singapore

Jul 2019 - Present

- Developing an inclusive community & maximizing interactions among 100 residents through weekly tech-entrepreneurship events such as panel discussions, speeches & workshops which draw more than 60 participants from the community & public.