

# Aaron Choo

AaronCQL.netlify.app | [GitHub](#) | [LinkedIn](#)  
choozy.aaron@gmail.com | +65 88584197

## ABOUT ME

### COMPUTER SCIENCE UNDERGRADUATE

Highly motivated second year student with an insatiable hunger to learn. Superb contributor and team player in group projects who enjoys collaborating with others. Currently a Systems Engineer Intern at Visa Inc. for summer 2020.

### LEADERSHIP

Training Director of NUS Cuesports Club (AY 19/20). Coordinated the training and oversaw the welfare of a club with over 100 members.

### TEACHING

Private Tutor (2016 - Present) to 8 past and present secondary school and junior college students, specialising in GCE O/A-Level Maths, Chemistry, and Physics.

### TECHNICAL SKILLS

#### PROGRAMMING

JavaScript<sup>†</sup> • TypeScript<sup>†</sup>

Java • Python • Dart • C

#### FRAMEWORKS

Node.js<sup>†</sup> • Vue.js<sup>†</sup> • Flutter

#### MARKUP

HTML/CSS<sup>†</sup> •  $\LaTeX$  • Markdown

#### TOOLS

Git/GitHub<sup>†</sup> • Firebase Suite<sup>†</sup>

Google Cloud Platform<sup>†</sup>

#### PLATFORMS

UNIX • Linux • Windows

<sup>†</sup>indicates working experience

### LANGUAGES

#### NATIVE

English • Mandarin

#### LEARNING

Korean

## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE

May 2018 - May 2022

#### BCOMP (HONOURS) IN COMPUTER SCIENCE

CAP: 4.57/5.00

Relevant Coursework: Computer Networks • Operating Systems

Design & Analysis of Algorithms • Software Engineering • Machine Learning

## EXPERIENCE

### SOFTWARE ENGINEER INTERN

Jun 2019 - May 2020

#### QASHIER

SINGAPORE

- Developed a full-stack web application for clients to manage their POS system, including management of customers, employees, transactions, etc.
- Spearheaded the initial setup of Firebase and the migration from previous database, saving \$4,000/year and increasing database performance by 30x
- Implemented an internal admin Electron app to automate monitoring and numerous administrative tasks, making onboarding of new clients 8x faster
- Designed reusable APIs via Firebase Functions to support core company services, including clients' sales data analytics, credit card integration etc.
- Self-learnt Vue.js, Node.js, Firebase, and GCP without prior knowledge

### TEACHING ASSISTANT (CS1101S)

Aug 2019 - Dec 2019

#### NATIONAL UNIVERSITY OF SINGAPORE

SINGAPORE

- Prepared and facilitated weekly 2-hour tutorial sessions with 8 students
- Graded and provided prompt feedback to students' weekly submissions of coding assignments (including code correctness, style, and readability)
- Teaching feedback score of 4.7/5.0 against faculty average of 4.1/5.0

## PERSONAL PROJECTS

### TREE SECURE (MOBILE APP)

Jan 2020

#### FLUTTER/DART/FIREBASE

[DEMO](#) | [SOURCE CODE](#)

- A Flutter mobile app to spread the awareness of heritage trees in Singapore
- Developed the core backend services, and integrated the application with Firebase Authentication, Firestore, Google Maps Platform, and Stripe
- Formalised and built in 24 hours by a team of 4 at NUS Hack&Roll 2020

### PIXIESPIXEL (GAME)

May 2019 - Aug 2019

#### GODOT/GDSCRIPT

[DEMO](#) | [SOURCE CODE](#)

- A realtime online multiplayer free-for-all 2D platformer, playable across major operating systems (Windows, MacOS, Linux, and Android)
- Designed and implemented player controls, multiplayer networking, camera systems, various playable characters/maps, mobile support, etc.
- Achieved Honourable Mention (top 4/243 teams) at NUS Orbital 2019

### COMPUTER ORGANISATION TOOL (WEBSITE)

May 2019

#### HTML/CSS/JAVASCRIPT

[DEMO](#) | [SOURCE CODE](#)

- A minimalistic website to aid with learning computer organisation
- Built a boolean truth table generator, IEEE 754 Single-Precision Floating Point converter, number base converter, and MIPS instruction encoder

### BUILD A SERVERLESS TELEGRAM BOT (TUTORIAL)

Aug 2019

#### JAVASCRIPT/NODE.JS/FIREBASE

[ARTICLE](#)

- A step-by-step guide on building a Telegram bot with Firebase Functions