

Aaron Choo

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

ABOUT ME

COMPUTER SCIENCE UNDERGRADUATE

Highly motivated penultimate year student with an insatiable hunger to learn. Deeply passionate about software engineering, especially in web development and cloud computing. Looking for a fulfilling internship for Summer 2021.

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 LANGUAGES

JavaScript[†] • TypeScript[†]
 Java • Ruby[†] • Python • C

WEB DEVELOPMENT

Vue.js[†] • React.js[†] • Nuxt.js
 Next.js • Node.js[†] • Express.js[†]

CLOUD PLATFORMS

Google Cloud Platform (GCP)[†]
 Firebase[†] • Netlify • Vercel

OPERATING SYSTEMS

UNIX[†] • Linux[†] • Windows

VERSION CONTROL

Git[†] • GitHub[†] • Bitbucket[†]

[†]indicates working experience

CERTIFICATES & AWARDS

GOOGLE CLOUD CERTIFIED

[Associate Cloud Engineer](#)

NUS ORBITAL 2019

[PixiesPixel: runner-up](#)

LANGUAGES

NATIVE

English • Mandarin

LEARNING

Korean

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

BCOMP (HONOURS) IN COMPUTER SCIENCE

Focus areas: Software Engineering • Networking • Computer Security

CAP: 4.58/5.00

MAY 2018 - MAY 2022

EXPERIENCE

VISA INC.

Singapore

SYSTEMS ENGINEER INTERN (MIDDLEWARE)

MAY 2020 - JUL 2020

- Developed a MERN stack website (MongoDB/Express/React/Node), and fixed numerous server side bugs to automate DataPower Gateway changes
- Implemented two Chef recipes via Ruby to automate onboarding of new Hazelcast IMDG applications, and to support Visa's internal cloud solution
- Reduced manual labour by 97%, saving an estimated 200 man-hours/year
- Picked up React, MongoDB, Chef, and Ruby without prior knowledge

QASHIER

Singapore

SOFTWARE ENGINEER INTERN (FULL STACK)

JUN 2019 - MAY 2020

- Developed a full stack web application for clients to manage their POS systems using Vue.js, Quasar, Firebase, and Google Cloud Platform (GCP)
- Spearheaded the initial setup and migration to GCP from previous cloud provider, which saved \$5,000+/year and increased performance by 30x
- Implemented an internal admin Electron app to automate monitoring and other administrative tasks, making onboarding of new clients 8x faster
- Designed APIs via Firebase Functions and TypeScript to support core company services, including sales data analytics, credit card integration, etc.
- Self-learnt Vue.js, Node.js, Firebase, and GCP without prior knowledge

NATIONAL UNIVERSITY OF SINGAPORE

Singapore

TA (CS1101S PROGRAMMING METHODOLOGY I)

AUG 2019 - DEC 2019

- Teaching feedback score of 4.7/5.0 against faculty average of 4.1/5.0

TA (CS2103T SOFTWARE ENGINEERING)

AUG 2020 - DEC 2020

PROJECTS

GOOGLE CLOUD STUDENT SPRINT

[Website](#)

GOOGLE CLOUD PLATFORM

MAY 2020 - AUG 2020

- One out of 60 students selected by Google for a Google Cloud mentorship programme to eventually sit for the Associate Cloud Engineer examination
- Successfully achieved the Google Associate Cloud Engineer certificate

ANSWERLEH (FORUM WEBSITE)

[Demo](#) | [Source Code](#)

GCP/MERN/NEXT.JS/TYPESCRIPT

SEP 2020 - NOV 2020

- A proof of concept server-side rendered MERN stack Q&A forum; built using multiple serverless cloud services (GCP/Vercel/GitHub Actions)
- Led a team of four through multiple sprints using an agile framework
- Responsible for the initial setup of the backend server, including integration with various GCP products, and design of the MongoDB database schema
- Developed CI/CD pipelines with automated deployments of containers via Google Cloud Build and Docker, and automated tests via GitHub Actions
- Designed and implemented various UI/UX improvements to the frontend

GITHUB MATH (CHROME EXTENSION)

[Demo](#) | [Source Code](#)

JAVASCRIPT/ROLLUP.JS

JUL 2020 - PRESENT

- A Chrome extension to render \LaTeX math in GitHub Markdown previews