

David Choo

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Education

National University of Singapore | UNDERGRADUATE - BACHELOR OF COMPUTING IN INFORMATION SYSTEMS

Aug 2017 - Jan 2021

- CAP - 4.15 out of 5.
- Lead a team of 5 for a software engineering module, working with a 10KLoC codebase.

Singapore Polytechnic | DIPLOMA IN INFORMATION TECHNOLOGY

Apr 2014 - May 2017

- GPA - 3.84 out of 4.
- Received Director's Roll during my first year of study awarded to top 10% of cohort.

Skills

Languages Javascript, Python, Java, bash, C++, C#
Frameworks Node.js, Express, Vue, React, Jekyll, SCSS, HTML/CSS, .NET Core
Platforms Ubuntu, AWS
Databases Firebase, MongoDB, Postgres, MySQL, MSSQL

Experience

Zendesk Singapore | DEVOPS ENGINEER INTERN

Jan 2020 - Jul 2020

- Bash scripted a packaging workflow as part of the plan to autoscale edge region EC2 servers.
- Documented and recorded a video guide on a self service dev machine provisioning project.
- Implemented a Slack bot that gathers relevant information for finding out what happened during an incident.
- Rolling restarted production servers as part of security patching exercise.

UX Consulting | DEVELOPER INTERN

Oct 2016 - Feb 2017

- Experimented with MEAN (Mongo, Express, Angular, Node) stack to implement a prototype internal website for calendar booking.

Projects

LisTent - Audio based Social Media App (<https://listent.app>) | DEVOPS GUY

Oct 2020 - Nov 2020

- Setup infrastructure on AWS EC2, S3, MongoDB Atlas.
- Setup continuous deployment using Github Actions and Ansible with multistage environments.
- Assisted in creating marketing assets to advertise the app.
- Final Project for CS3216 (Software Product Engineering) where teams of 4 students work like a startup.

Hole in the Wall game | [HTTPS://GITHUB.COM/DAVIDCHOO12/HOLE-IN-THE-WALL-GAME](https://github.com/DAVIDCHOO12/HOLE-IN-THE-WALL-GAME)

Jan 2020

- Implemented a browser game using Tensorflow Pose Estimation library.
- Winning submission for Hack&Roll 2020, my third solo hackathon. Most Entertaining Hack.

Video Auto Caption | [HTTPS://GITHUB.COM/DAVIDCHOO12/VIDEO-AUTO-CAPTION](https://github.com/DAVIDCHOO12/VIDEO-AUTO-CAPTION)

Jan 2018

- Implemented a video captioning system prototype using Google Speech API and FFmpeg.
- Winning submission for Hack&Roll 2018, my first solo hackathon. Top 8 out of 120 teams.

Nyx - Artificial Intelligence | FRONTEND DEVELOPER

Apr 2016 - Aug 2016

- Designed and developed a web chat UI, taking inspiration from Telegram and WhatsApp Web.
- Researched and integrated Firebase realtime database for the chat UI.
- Final Year Project which won SiTF and Microsoft Imagine Cup awards.

Extracurricular Activity

SEED Student Interest Group | MEMBER

Jun 2014 - Apr 2017

- Participated in numerous meetups and hackathons to explore the tech industry outside of school environment.
- Assisted in curating teaching materials for the newly launched .NET Core framework at that time.

Awards

2020	Most Entertaining Hack , Hack&Roll 2020 hackathon	Singapore
2018	Top 8 Winner , Hack&Roll 2018 hackathon	Singapore
2016	Gold Award , SiTF Awards	Singapore
2016	National Champion , Microsoft Imagine Cup National Final - Innovation Category	Singapore
2015	Proxor 2 - overall score 0.93 , Proxor Software Developer Examination for Java	Singapore