David Choo

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Education

National University of Singapore   *Singapore*
UNDERGRADUATE - BACHELOR OF COMPUTING IN INFORMATION SYSTEMS   *Aug 2017 - Jan 2021 (expected)*
- Current CAP - 4.04 out of 5.
- Lead a team of 5 for a software engineering module, working with a 10KLoC codebase.

Singapore Polytechnic   *Singapore*
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

Programming	Javascript, Python, Java, C++, bash, C#
Web	Node.js, Express, Vue, Jekyll, SCSS, HTML/CSS, .NET Core
Databases	Firebase, MongoDB, Postgres, MySQL, MSSQL

Experience

UX Consulting   *Singapore*
DEVELOPER INTERN   *Oct 2016 - Feb 2017*
- Experimented with MEAN (Mongo, Express, Angular, Node) stack to implement a prototype internal website for calendar booking.

Projects

Hole in the Wall game   *Singapore*
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   *Singapore*
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   *Singapore*
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

Microsoft Student Partners   *Singapore*
MEMBER   *Jul 2014 - Apr 2017*
- Assisted in events evangelising Microsoft technologies to the campus.

SEED Student Interest Group   *Singapore*
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*