

Cheryl Ng

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

BComp in Computer Science
University Scholars Programme
Graduating: May 2022

RAFFLES INSTITUTION

GCE "A" LEVELS

Jan 2016 - Dec 2017
Completed H2 Physics, Mathematics,
Economics, Knowledge and Inquiry

LINKS

Github:// [Yoshi275](#)
LinkedIn:// [cheryl.nqj](#)

ACTIVITIES

HACKATHONS

NUS Hack and Roll 2020 - Organising Team
USP Data Journalism Competition 2019 - 2nd Place
AngelHack Hackathon 2018 - Participant

COMMUNITY

CodingGirls Code with Cloud - Participant
Google Women Developer Academy - Graduate
USP Peer Mentorship Programme - Faculty Head, Student Mentor
GovTech Girls in Tech - Organising Team
Slush Singapore - Programs Speakers Team Leader

TECHNICAL SKILLS

Languages

Dart | TypeScript | Javascript | Java | C | Python | Swift

Frameworks & Tools

Redis | MongoDB | Docker | Ansible | Flutter | React | React Native | Vue | Firebase | 3D Modelling | InkScape | Premiere Pro | NoSQL

COURSEWORK

- Data Structures and Algorithms
- Information Retrieval
- Artificial Intelligence
- Natural Language Processing
- Media Processing
- Operating Systems

WORK EXPERIENCE

GOVTECH | SOFTWARE ENGINEERING INTERN

May - Aug 2020

- Developed tools to build exercise leaderboard ranking all users (MongoDB, Redis, Ansible, Flutter)
- Designed gym equipment availability service for use by **all servicing staff** (MongoDB, Redis, Flutter)
- Led development of mobile application for complete **deployment nation-wide**

VIDDSEE | SOFTWARE ENGINEERING INTERN

May - Aug 2019

- Developed a blog page-builder application, an internal tool used to **build one of the team's core products** (Rails)
- Created style-less reusable components for common usage across entire website (VueJS)
- Implemented media retrieval system (CRUD) to manage media assets (VueJS, Docker, MongoDB)

TINKERTANKER | TEACHING + SOFTWARE ENGINEERING INTERN

Jan - Mar 2018

- Assisted in developing curriculum for first **premier Swift Accelerator class** in collaboration with Apple, Singapore and Ministry of Education (Swift)
- Taught digital electronics lessons with microcontroller micro:bit under IMDA's Digital Maker programme, for secondary schools and MOE Teachers. (Swift)
- Developed skills in utilising 3D modelling and laser cutting technology

PROJECTS

KAMPONG JIO | DEVELOPER

April - Aug 2019

- Built social mobile app for bulk food ordering (React Native, Java)
- Implemented media storage, authorisation and database (Firebase)
- Invited to mentor next batch, achieved top 30 of 200 teams in Project Orbital

USP MAKER STUDIO | TEAM LEADER

Sep 2018 - Present

- Spearheaded a team to conceptualise and furnish prototyping studio with 3D Printer, soldering irons and electronics kits
- Lead the USP branch of UTown Network, a schoolwide technical network for hackers, makers and hustlers
- Conceptualised digital electronics and design masterclasses

THE ALPHA MEAL | FINALIST, SG COMPUTER SOC SPLASH CHALLENGE

Jan - Dec 2017

- Web application that predicts user food preferences and makes food recommendations (NodeJS, JavaScript, ML)

SORTING HAT V2 | STUDENT SORTING ALGORITHM

Jul - Aug 2019

- Used by Orientation organisers to sort 250+ students with maximum gender, faculty and schooling diversity into houses (JavaScript)