

# Bryan Chan Chuing Seang

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## ABOUT ME

A software engineer with the creativity to suggest good ideas to improve the company's product and the technical drive and skill to bring the idea to life. I am seeking a full-time position. I have experience working with full stack development(front-end and back-end), multithreaded programming and machine learning.

## EDUCATION

University of Michigan, Ann Arbor, MI

Graduating December 2020

B.S.E. in Computer Science Engineering and Statistics Minor

CGPA : 3.928 / 4.00

Coursework:

- Operating Systems • Web Systems • Introduction to Machine Learning
- Applied Machine Learning for Affective Computing • Conversational AI
- Information Retrieval and Web Search • Data Structures and Algorithms
- Quantitative Research Methods • Applied Statistical Methods.

## WORK EXPERIENCE

Apple, Cupertino, USA (Remote)

June 2020 – August 2020

- **Software engineering intern** on the CoreOS team.
- Full stack development. (Django, Django Rest Framework, Pytest, HTML, CSS, JavaScript, React, Jest and Java Servlets. Also worked on Atlassian plugins.)

Lime, San Francisco, USA

May 2019 – August 2019

- **Software engineering intern** on Rider Team working on **Android** app development and backend development using **Ruby on Rails**.
- I handle payment and government requirement projects. The success of my projects proves my ability to ship robust code as a broken line in my work risks us losing money or our permits.
- PayPal integration. Resulted in 25% increase in new users.
- Google Pay Integration to boost Latin American markets.
- ID Scanning to retain operating license in Israel market.
- QR parking scanner to aid government relations for market retention.

iCar Asia, Kuala Lumpur, Malaysia

June 2018 – August 2018

- **Software engineering intern** working on the company's **Android** app.
- I work mainly on maintaining older features, bug fixes and occasionally new features. This position familiarized me with writing code and UI tests, design patterns, build systems and deployment pipelines.
- Video Listing. Enhanced customer experience.
- Migrating the present codebase implemented in **Java** to **Kotlin**.

Kidocode, Kuala Lumpur, Malaysia

June 2017 – August 2017

- **Computer Programming Trainer** teaching young adults programming.

## PERSONAL PROJECTS

### Order App

Android app built for restaurants during Covid-19. Helps owners automate phone calls and sending SMS's to clients to collect prepared food orders.

### Form Bot Dialogue Management System

Custom in-house dialogue state manager for collecting structured data.

Built using Python and Rasa Open Source.

### Conversational Cooking Assistant

Helping you in the kitchen when your hands are busy cooking.

Built with a Flask backend that's currently hosted on Heroku and a desktop app frontend built with Python, HTML, CSS and Javascript.

### Natural Language Diagnosis Software

Predicting diseases based on your ailment description.

Built with Python. Data obtained using a self-implemented crawler and trained using boosting methods. System also includes a novel query expansion mechanism that substitutes words with their synonyms to produce different re-expressions of query.

### Version Control App for the Everyday Person

An application that lets non-software people enjoy the benefits of version control with a simple UI interface.

Built with Python and Git.

### Social Media Client Mobile App

An extensible mobile app that can be hooked up to a web API. Supports a news feed and a profile page.

Built with Android in Kotlin.

### Bus Tracker Alarm

Alarm for when bus arrives instead of waiting outdoors in snowy Michigan.

### Video Game Birthday Card

The future of greeting cards. A customized video game that acts as a birthday card.

Built with Gamemaker Studio.

## SKILLS

Languages: Python, Kotlin, Java, C++, HTML, CSS, JavaScript.

Experience with: Full stack development, Mobile, Front end, Backend, REST API design, Multithreaded Programming.

Frameworks and Libraries: Android, Django, Flask, React, PyTorch, Keras.

## OTHER ACTIVITIES

Malaysian Cultural Night (2019, 2018)

DocuSign Hackathon (2019), MHacks (2018), Maybank Hackathon (2018)