

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 (December 2020 Grad)

B.S.E. Computer Science Engineering

B.S.E. Data Science Engineering

CGPA : 3.928 / 4.00

Coursework:

- Operating Systems • Web Systems • Computer Networks
- Computer Security • Introduction to Machine Learning
- Applied Machine Learning for Affective Computing • Conversational AI
- Information Retrieval • 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.

PERSONAL PROJECTS

Full portfolio available at <https://bryancsc-umich.github.io/html/projects.html>

Lemme Know (Active development)

Web service where users can schedule their own scripts. Users can send emails to themselves via these scheduled scripts. Useful for scheduling simple tasks you would like to run every day (such as checking a website).

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. Flask backend.

Contracts

Web app to draw up quick and basic contracts and initiate signing with other parties. Users can also share and use contract templates. Built with Flask and React.

Form Bot Dialogue Management System

Bot extension for collecting structured data with Rasa open source.

Built using Python and Rasa Open Source.

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.

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.

Social Media Client Mobile App

A base template mobile app that can be hooked up to a web API. For people with no Android experience.

Bus Tracker Alarm

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

Video Game Birthday Card

A customized video game that acts as a birthday card.

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)