DEREK YU

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WORK EXPERIENCE

Software Engineer Intern   *May 2019 – Aug 2019*
Dott, **Amsterdam, Netherlands**
- Backend developer on the Platform team responsible for the core functionality of the ridesharing platform.
- Implemented support for vehicle parts management, impacting tens of thousands of scooters.
- Worked on initial payments system migration to third-party payments processor and helped to integrate the 3D-Secure protocol.
- **Technologies**: Node.Js, TypeScript, Google Cloud Platform

Intern Programmer   *May 2018 – Aug 2018*
Square-Enix Montreal, **Montreal, Canada**
- Worked as a fullstack developer on a web portal that allows development teams to track and manage games and metrics.
- Created a code and markdown generator tool to auto-generate an API (and documentation) of the backend services.
- **Technologies**: C#, ASP.NET, Angular, TypeScript

Intern Developer   *Sep 2017 – Dec 2017*
CAE Inc., **Montreal, Canada**
- Developed a solution to build, deploy and test customized Windows 10 images to simulator's image generator computers.
- Reduced the time required to build system images from a week to around 40 minutes and for image maintenance by half.

EDUCATION

Bachelor in Software Engineering   *2016 – 2020 (Expected)*
Concordia University, Montreal, Canada
- Dean's List (GPA: 4.22/4.3)
- Relevant courses: Object-Oriented Programming, Data Structures & Algorithms, Architecture & Design

PROJECTS AND EXTRA-CURRICULAR ACTIVITIES

HackConcordia Director of Technology   *2019 – Present*
- Responsible for the development and maintenance of various technologies used prior/during the ConUHacks hackathon (e.g. ConUHacks website, registration, event tracking and management app).

SmartBox at UOttaHack Hackathon   *Feb 2020*
- Worked in a team of 3 to develop an end-to-end delivery system with IoT smart boxes.
- Implemented backend server in Node.Js, web app with React, and used Solace PubSub+ as message broker.
- Winner of the Smart Delivery Track and Solace challenge.

Wikipedia Android App (Academic Project)   *Jan – Apr 2019*
- Worked in a team of 7 to develop unofficial features for the Wikipedia Android app.
- Features include: image search, browse by categories, note taking, chat

Clinic Booking App (Academic Project)   *Jan – Apr 2019*
- Worked in a team of 7 to develop a web app to book clinic appointments using React and Flask.
- Designed major parts of the system architecture with the inclusion of notable design patterns.

RUDating at HackRU Hackathon   *Oct 2018*
- Worked in a team of 4 to create a speed dating web application with React and Flask.
- Developed chatroom functionality with WebSockets.
- Integrated GCP Cloud Natural Language to analyze and extract sentiment from users' conversations.

SKILLS

Programming

JavaScript	C
TypeScript	C++
Java	HTML
Python	CSS
C#	SQL

Frameworks & Technologies

React	Git
Angular	AWS
Node.Js	GCP
ASP.NET	Firebase
Django	WebSockets
Flask	Android

Languages
- English
- French
- Cantonese