Yu Te (Darvey) Chang

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EDUCATION

University of British Columbia   **Expected Grad Date: May 2022**
    B.Sc. - Computer Science & Environmental Science

EXPERIENCE

Amazon - Software Engineer Intern   **May 2021 - Present**
- AWS - Relational Database Services (Performance Insights Team)
- Took ownership of an entire project to redesign, enhance and improve a high availability microservice.
- Rewrote load generation microservice to be deployed using AWS CDK, for production and testing environment.
- Increasing stability/scalability, reducing failure rate of prior versions of microservice impacting 100k customers.

SAP - Software Engineer Intern   **May 2020 - Dec 2020**
- SAP Analytics Cloud - Augmented Business Intelligence
- Brought code coverage from below 50% to 85% for multiple Natural Language Processing (NLP) components.
- Worked on the new React codebase along with data load time optimization for over 1000 customers.
- Reduce Jenkin run time by 25%, by refactoring code and bug-fixing deprecated Javascript and Java methods.

BlackBerry - Software Engineer Intern   **Jan 2020 - May 2020**
- BlackBerry's Next Generation Cloud Console (Internal)
- Added tracking AWS/Azure for $1,000,000 spending, by creating React components cost and usage tracking.
- Implemented features back-end api controllers for user profile management, JIRA ticketing requests.

UBC SailBot - Software Engineer   **Apr 2019 - Jan 2020**
- UBC Sailbot to launch a 5m fully autonomous sailboat 5000km at the Vic-Maui Race.
- Increased scalability of 10+ data sensors, replacing hard coded methods with a dynamic code design.
- Created RESTful MVC web application, features including retrieval, and alteration ability of 10+ boat sensors.

SOFTWARE PROJECTSs

Parkin Rental App
- Centralized parking spot rental application allowing for individuals to rent parking spots.
- Features including user login and authentication, image uploads, reservation system, similar to Airbnb.
- Fullstack MERN application, built using MongoDB, Express, React, and Node.js.

Applicant Database/Scheduler
- Allows users to view, insert, and edit information such as applicant profiles, job postings, interview time etc.
- Application developed using Oracle server and SQL as a backend database, and bootstrap for styling.

Bus Transit Mobile Tracker
- Android users are able to track live transit, route pathing, arrival/departure implemented using Translink API.

DubHacks - University of Washington
- Demoed a React-redux forum app, allowing people with mental struggles to share/help post anonymously.

Interests

Hackathons - Submission in MLH official hackathons, organizer of SAP Hackathon and XdHacks.
Sports - Canadian Junior National Paddling Champion, VSSAA 4x100m Sprint City Champion, Badminton lover.
Technology - Cloud Platforms (AWS etc.), Information security competitions (CTF), Hackathons.