

JENNIFER CHEN

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SKILLS

Languages: Python, Javascript/Typescript, C++, SQL
Frameworks: React, Flask, Django, NodeJS, Express, Tornado, Angular
Tools/Databases: Docker, Apache Airflow, AWS, Git, PostgreSQL, MongoDB, MySQL

EXPERIENCE

- Embark Trucks** San Francisco, CA
Software Engineering Intern Sept. - Present
- Building out infrastructure for telematics and live-monitoring of self-driving trucks
- Scotiabank** Toronto, Ontario
Full-Stack Engineering Intern Jan. - April 2021
- Developed loan pre-approval web app using **React**, **NodeJS**, **Express**, increasing bank revenue by **\$150,000**
 - Built **MongoDB** database schema and endpoints in bank-wide service using **Mongoose**
 - Improved fault tolerance of application endpoints via failure monitoring, reducing failure response time by **95%**
- The Globe and Mail** Toronto, Ontario
Data Engineering Intern May - Dec. 2020
- Led team of 2 and coordinated with QA and deployment teams for NLP (natural language processing) refactor project to scale up news article promotion decisions and optimize **new customer acquisition**
 - Built **Python** and **PostgreSQL Apache Airflow** jobs to automate previously manual pipeline
 - Reduced production microservice downtime by **20%** by implementing monitoring and alerts in **Datadog**
- Ratio.City** Toronto, Ontario
Software Engineering Intern Sept. - Dec. 2019
- Prototyped **Django**, **PostgreSQL**, **Angular** web app to prove company scalability to any city worldwide
 - Decreased onboarding time from **8 hours to 15 minutes** by standardizing local development environment for full application stack using **Docker**
 - Launched and maintained internal sales metrics dashboard on **Apache Superset** hosted on **AWS EC2**, **increasing customer satisfaction** by **75%** over several rounds of user testing and feedback
- Clearbridge Mobile** Toronto, Ontario
QA Analyst Intern Jan. - April 2019

PROJECTS

- Insightful Meetings** Google Cloud, Microsoft Azure, Python Flask, React Hack the 6ix 2020
Developed web app to parse meeting recordings and create transcript, summary and sentiment analysis
- SQueue** React Native, Python Flask ScotiaHacks 2020
Created iOS/Android mobile app to implement queueing system for Scotiabank branch customers; chosen to participate from over 300 applicants, awarded for **Best Prototype** of 11 participating teams

EXTRACURRICULARS

- UW Blueprint** Project Developer May 2021 - Present
Building online portal for not-for-profit to promote literacy
- Waterloop** Technical Project Manager / Advisor Sept. 2018 - Present
Leading over 80 members across 20 projects in developing a scalable Hyperloop pod by 2025
- Google Developer Student Club (DSC)** Waterloo Lead Sept. 2020 - Aug. 2021
Building up the Waterloo DSC Chapter, engaging students in over 10 events

EDUCATION

- University of Waterloo** Waterloo, Ontario
Bachelor of Applied Science Systems Design Engineering *GPA: 3.9* 2018 - 2023
Term Dean's Honor List 2018-2021; **GPA top 5** in class
Relevant Coursework: Data Structures and Algorithms, Digital Computation, Human Factors in Design

INTERESTS

Travelling, Running, Taekwondo