# JENNIFER CHEN

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## SKILLS

| | |
|---|---|
| Languages: | Python, Javascript/Typescript, C++, HTML, CSS, SQL |
| Frameworks/Tools: | Docker, Airflow, React, Django, Flask, AWS, PostgreSQL, MongoDB |
| Project Management: | Jira, ClickUp, Notion, Leadership, Time Management, Collaboration |

## WORK EXPERIENCE

**Scotiabank** — Toronto, Ontario
*Full-Stack Engineering Intern (Innovation)* — Jan 2021 - April 2021
- Helped develop production web application using React, NodeJS, Express for auto-financing car loans and leases, projected to increase bank revenue by $150,000 per car manufacturer
- Managed MongoDB database schema and endpoints in bank-wide service using Mongoose; led the team to brainstorm key changes to improve organization of the externally-managed repository
- Implemented key application features such as circuit breaker, service token authentication, Redis cache connection in backend repositories to enable client application creation and updates
- Onboarded new co-op and three new full-time employees onto project

**The Globe and Mail** — Toronto, Ontario
*Data Engineering Intern* — May 2020 - Dec 2020
- Led refactor of natural language processing product to inform newsroom article promotion decisions; created Python and PostgreSQL Airflow jobs for better workflow management
- Enabled monitoring and alerts in Datadog across the company's news article curation application's six Spring Boot microservices to diagnose errors in production
- Standardized unit test conventions, improved test code coverage for Python application from 20% to 90%; introduced integration testing pipeline in Jenkins to ensure quality code

**Ratio.City** — Toronto, Ontario
*Software Engineering Intern* — Sept 2019 - Dec 2019
- Used Docker to standardize local development environment for full application stack, decreased onboarding time from 8 hours to 15 minutes
- Created backend (Django, PostgreSQL) and frontend (Angular) for new module, used as a proof-of-concept to support the company's geographic expansion to Vancouver
- Launched and maintained internal sales metrics dashboard on Superset hosted on AWS, increased customer success effectiveness by 75%

## PROJECTS

**Insightful Meetings** *Google Cloud, Microsoft Azure, Python Flask, ReactJS* — 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 branch customers; chosen to participate from over 300 applicants, awarded for Best Prototype of 11 participating teams

## EXTRACURRICULARS

**Waterloop** *Technical Project Manager* — Sept 2018 - Present
Leading over 80 members across 20 projects in developing a scalable full-scale Hyperloop pod by 2025

**Google Developer Student Club (DSC)** *Waterloo Lead* — Sept 2020 - Present
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 (Expected)
Term Dean's Honor List 2018-2020; GPA top 5 in class
Relevant Coursework: Data Structures and Algorithms, Digital Computation, Human Factors in Design

## INTERESTS

Travelling, Running, Taekwondo, Dance