Eric **Chen**

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Education

University of Waterloo & Wilfrid Laurier University — *Waterloo, Canada*

HONOURS COMPUTER SCIENCE AND BUSINESS ADMINISTRATION DOUBLE DEGREE — *Sept. 2019 - Jun. 2024*

- **Awards:** President's Scholarship of Distinction, Forester's Financial Scholarship
- **Relevant Coursework:** Data Structure and Algorithms (C++), Compilers (C++), Operating Systems (C, Linux), Data Management
- **Activities:** Faculty Student Ambassador, Tech+ UW, Hack the 6ix, Laurier Business Case Team

Work Experience

Datadog — *New York City, NY*

INCOMING FALL 2023 — *Sept. 2023 - Dec. 2023*

Carta (formerly eShares Inc.) — *San Francisco, CA*

BACK-END DEVELOPER INTERN — *Jan. 2022 - Apr. 2022*

- Supported over 10+ different teams' protobuf messages to enforce **event-driven architecture** within the organization to enhance new development principles for **500+ developers** using **Python**
- Created automated end-to-end scripts to generate JSON files containing event metadata using **Apache Airflow, CircleCI and GitHub API**, that are stored with **AWS Redshift data warehousing and S3 buckets** (ETL) using **Postgresql**
- Implemented support for **Kafka message headers** using **Django and Debezium outbox patterns**

Royal Bank of Canada — *Toronto, ON*

FULL-STACK DEVELOPER INTERN — *Jan. 2021 - Apr. 2021*

- Spearheaded over **30+ technical requirements** by engaging with cross-functional stakeholders as part of **2 major releases** in the launch of the RBC myGPS web application to **1000+ investment advisors**
- Developed end-to-end financial projection components using **Angular 7/11, TypeScript, NodeJS, MongoDB, SQL, GraphQL**, Jenkins, & ElasticSearch in a microservices design architecture
- Selected as an **RBC Student Partner** to promote engagement and deliver presentations to 300+ RBC students and stakeholders

Ontario Digital Service — *Kitchener, ON*

WEB ENGINEERING INTERN — *May. 2020 - Aug. 2020*

- Engineered a secure portal and web form using **React, Node.js and Firebase** to reduce client application time delays by **over 90%** and increase application visibility through real-time personalized dashboards
- Delivered accessible COVID-19 **data visualizations** using React and Node.js in response to the Covid-19 pandemic, generating over **500,000+ unique page views** in one month
- Built a **Gitlab CI/CD pipeline** to automatically deploy to **Firebase to cut deploy times by 95%**
- Implemented **Agile** methodology to rapidly iterate the prototype by conducting **usability tests** with **20+ program stakeholders**

Projects

ShipMates — *TOHacks 2021*

FULL-STACK MOBILE ENGINEER

- Built a mobile app that allows nearby users to group online orders using **Flutter, MaterialUI, Mobx** with dynamic updates connected to an **Express server** written using **NodeJS**
- Connected the frontend using **Axios to interact with REST API** endpoints to perform **CRUD operations on DataStax tables**

Interview Prep App — *StarterHacks 2020*

FRONT-END MOBILE ENGINEER

- Developed an interview app that predicts resume questions using **Google Cloud Vision and Natural Language Processing** APIs
- Employed the use of **React-Native** to build the front-end infrastructure including **camera integration and resume parsing**

Skills & Initiatives

Community Leadership

3 years	**Co-chair** of Hack the 6ix, Toronto's largest summer hackathon with over 750+ participants	*2020 - Present*
2 years	**Logistics Coordinator** of Tech+ UW, a club that fosters diversity and inclusion within the tech community	*2021 - 2022*
2 years	**Academic Delegate** of Laurier Case Team, competing internationally in business case competitions	*2021 - 2022*

Skills and Interests

Languages: *Python, JavaScript, TypeScript, C/C++, Java, SQL, Dart, R, PHP, MySQL,*

Tools: *React, React-native, Redux, Express, Angular, MongoDB, Flutter, Git, Firebase, Google Cloud, Linux, Webpack, Docker*

Interests: *reading, tennis, golf, investing, personal health and wellness*