

< Eric Chen />



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/ skills

```
var software =  
Python, C++, JavaScript, C, Java,  
SQL, TypeScript, Dart, Racket, R,  
HTML, CSS/SASS, gRPC/Protobuf
```

```
var frameworks/libraries =  
React, React-native, Redux, Express,  
Angular, GraphQL, MongoDB, Flutter,  
Bootstrap, Material-UI
```

```
var tools =  
Git, Firebase, Google Cloud, GitlabCI,  
Linux, Figma, JIRA, Webpack, VSCode
```

/ education

```
var university =  
"University of Waterloo"
```

```
var program =  
"Computer Science and Business  
Administration Double Degree"
```

```
var relevant_courses =  
• Data Structures and Algorithms  
• Introduction to Optimization  
• Data Management
```

/ awards

```
var awards =  
• Certified by DELF B2 for oral and  
written fluency in French  
• Microsoft AI in Finance  
Competition - 1st place  
• AshokaU Changemaker Innovation  
Challenge - 2nd place  
• HP Technology Case - Semi-finals  
• Forester's Student Financial  
Scholarship - $8000  
• President's Scholarship of  
Distinction - $2000
```

/ interests

```
var interests =  
• Golf & Competitive Tennis  
• Business case competitions  
• Debate and public speaking  
• Piano & Alto Saxophone
```

/ work experience

Carta (eShares), Back-end Developer

San Francisco, CA | Jan 2022 - Apr 2022

- Created and produced end-to-end automated event-tracking JSON files with **Apache Airflow**, **CircleCI** and GitHub API, and loading using **AWS Redshift data warehousing** and **S3 buckets** (ETL) using **Postgresql**
- Migrated over 10 **protobuf messages** to enforce event-driven architecture schema guidelines and refactored the organization's creation of **kafka messages** to support this schema for 500+ developers
- Implemented support for **Kafka message headers** using **Django** that employed **Debezium outbox patterns** to publish Kafka messages

Royal Bank of Canada, Full Stack Developer

Toronto, ON | Jan 2021 - Apr 2021

- Spearheaded the completion of over **30+ technical requirements** by engaging with **cross-functional** stakeholders as part of 2 major releases in the launch of a new myGPS web app to **1000+ investment advisors**
- Developed end to end financial projection components using **Angular 7/11**, **TypeScript**, **NodeJS**, **MongoDB**, **SQL**, **GraphQL**, **Jenkins**, & **ElasticSearch** with a microservices design architecture
- Selected as one of 12 RBC Student Partners to promote engagement for over **300+ RBC students** and deliver presentations RBC stakeholders

Ontario Digital Service, Full Stack Developer



Waterloo, ON | May 2020 - August 2020

- Designed and developed a secure portal using **React.js**, **Node.js** and **Firebase** to reduce program **client time delays by over 50%**
- Developed accessible **data visualizations** using **React.js** and **Node.js** generating over **500,000+ unique page views** in less than one month
- Built a **Gitlab CI/CD** pipeline to automatically deploy to **Firebase**
- Implemented **Agile methodology** to rapidly iterate the prototype by conducting usability tests with 20+ program stakeholders and clients

/ my projects

Hack the 6ix, Co-Chair

Toronto, ON | Jan 2020 - Aug 2021

- Acquired over **\$20k in sponsorship funding** and \$38k in prize value for Canada's largest summer hackathon
- Managed **34 organizers** across **6 different cross-functional teams** to coordinate an event with over **750+ hackers**, mentors, and sponsors

Interview Prep App, Mobile Developer



Waterloo, ON | StarterHacks 2020

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