

Eric Wang

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EDUCATION

University of Waterloo
Bachelor of Computer Science

Waterloo, ON
Sept 2020-2025

SKILLS

Languages: Python, Java, C#, JavaScript, TypeScript, HTML/CSS, Racket, C, C++, Go, SQL
Technologies: AWS (Cloud Practitioner Certified), MongoDB, Express.js, React.js, Node.js, Git, Flask, Tensorflow, Azure, Angular, Kubernetes, Kafka, Oracle Database, .NET, Go Fiber, PostgreSQL, Docker

EXPERIENCE

Amazon (AWS)

May 2024 – Aug 2024

SDE Intern

Vancouver, BC

- Investigated and outlined new distributed load testing/benchmarking framework for **AmazonMQ**.
- Currently implementing above framework using **Docker**, **JMeter**, and **AWS (AWS CDK, Lambda, EC2, ECS, S3, EventBridge)**.
- Framework will include automated load testing in ActiveMQ's development pipeline and also allow devs to manually test their local brokers, mimicking production behaviour.

Zynga Inc.

May 2023 – Aug 2023, Jan 2024 – Apr 2024

Software Engineering Intern

Toronto, ON

- Developed and drafted tech specs for new features for API used by games to conduct **A/B testing** on users over all Zynga games and maximize profits (**30 million requests/day**).
- Led migration of audience and metrics dashboards from **Angular 1.0** to **React** that allowed the configuration of above API by game and analytics teams.
- Fixed **70+** bugs related to the migration, ensuring a smooth release and removing a mountain of technical debt built up in Angular.

SS&C Technologies

Sept 2022 – Dec 2022

Full Stack Developer

Toronto, ON

- Implemented database sync service between **IBM DB2** on-site database and **PostgreSQL** cloud database, continuously syncing mainframe data using **Kafka** and **Java Spring Boot**. Deployed with **Github Actions** workflows, **Docker**, and **Kubernetes**.
- Shipped major full-stack features using **Angular**, **NgRx**, **TypeScript**, **Keycloak**(**OAuth2.0** and **OpenID**), and **PostgreSQL**. e.g. authenticating users, search filters, API endpoint creation.

Department of National Defence (Canada)

Jan 2022 – April 2022

Full Stack Developer

Waterloo, ON

- Digitized **5+** aircraft inspection processes by creating several web applications using **Javascript** and **Go Fiber Templating**, while leveraging **Docker** and **Azure** in an **Agile** environment.
- Improved accuracy of **machine learning** model that predicts airplane inspection duration and plans tasks for technicians by **30%**. Done by creating and integrating calendar that tracks technician work hours using **Go Fiber** and **PostgreSQL**.

SaFuture Inc.

May 2021 – Aug 2021

Software Developer

Oakville, ON

- Developed responsive frontend for environmental risk assessment app using **AngularJS**, **PrimeNG** and **CKEditor** libraries.
- Engineered **10+** **.NET** endpoints using **Newtonsoft** and **Oracle managed data access**, increasing client assessment speed by **20%**.

PROJECTS

PremierProphet - NewHacks 2020 2nd Place Award (out of 50) devpost.com/software/premier-prophet

- Machine learning model to predict football matches via **TensorFlow** and **Keras** on **Heroku**
- Constructed a responsive **HTML/CSS** and **Bootstrap** frontend and **Flask** and **Python** backend
- Made accurate predictions (**60-70%**) by using data from API calls to teach the model