Eric Wang

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SKILLS

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

EXPERIENCE

Full Stack Developer   Jan 2022 – April 2022
Department of National Defence   *Waterloo, ON*

- Developed maintenance tracking web application to fully digitize aircraft technician workflows using **templating** and **Javascript**
- Constructed backend using **Go Fiber** and **PostgreSQL** to implement database operations for 3 major features
- Leveraged **Dockerized** environment and **Azure pipelines** in **Agile** development processes

Software Developer   May 2021 – Aug 2021
SaFuture Inc.   *Oakville, ON*

- Developed frontend for environmental risk assessment app using **AngularJS**, **PrimeNG** and **CKEditor** libraries, adding **50+** features, implementing the majority of the app
- Improved functionality of internal admin dashboard using **HTML** and **jQuery**, increasing employee productivity by **20%**
- Added **10+** endpoints to **.NET** backend using **Newtonsoft** and **Oracle managed data access** to communicate with database

PROJECTS

Discount Monkey   *github.com/Ericwang52/DiscountMonkey*

- Product price-comparing service currently helping **30+** users find the best deals on products
- Responsive frontend designed using **React** and **Bootstrap**
- Backend is a **RESTful API** built with **Node** and **Express**, **MongoDB** was used to store user data
- Encrypted passwords using **bcrypt**. Authenticated with **PassportJS** using **JSON web tokens**

PremierProphet - NewHacks 2020 2nd Place Award   *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

Profit Prophet   *github.com/ChickanWang/ProfitProphet*

- Machine learning model and web app made to predict short-term stock prices
- Uses **Azure Machine Learning pipelines** and **Azure Cognitive Services** to train model using Yahoo Finance data as well as **web scraped** discussions/news
- Real-time inference pipeline was deployed using **Azure Kubernetes Service**
- Frontend made with **React** and **Bootstrap** and backend made with **Flask**

Animinder   *github.com/Ericwang52/animinder*

- Chrome extension that sets reminders and helps users find recent airing anime episodes according to their MyAnimeList watchlist, currently serving **10+** users
- Uses **Javascript**, **HTML DOM** manipulation and **AJAX requests** to the MyAnimeList API

EDUCATION

University of Waterloo   Waterloo, ON
Bachelor of Computer Science   *Sept. 2020 – May 2025*