KRISTOPHER MATIC

Full-Stack Developer

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EDUCATION

University of British Columbia

BAsc. Mechanical Engineering
May 2020 (with Distinction)

SKILLS

Programming Lanuages

Javascript, Typescript, HTML, CSS, GraphQL, Python

Libraries & Frameworks

React, Gatsby, Node.js, Express, Redux, TailwindCSS

Tools & Platforms

Git, AWS, Firebase, Netlify

Database

MongoDB, SQL

ABOUT

I'm a self-taught Full-Stack developer transitioning from a career in Mechanical Engineering.

I'm inspired by digital experiences and the underlying technologies behind them.

I primarily use React and Javascript, but picking up a new language or framework isn't a problem.

RELEVANT EXPERIENCE

Fisheries and Oceans Canada   Research Assistant

November 2019 - April 2020 | Vancouver, BC

- Automated the data analysis workflow of killer whale movement/sound recordings, reducing processing time by 50%
- Wrote technical documentation for MATLAB software tools to reduce training and troubleshooting time

Ballard Power Systems   Test Engineer Co-op

January 2019 - August, 2019 | Burnaby, BC

- Developed software and GUI to monitor fuel cell parameters during a test using Python (pandas, NumPy, Matplotlib, PyQt), leading to a reduction in test station troubleshooting time
- Optimized data analysis tools to reduce processing time by 40%
- Prepared technical reports discussing the outcomes of verification testing

PROJECTS

CuisineConnoisseurs ⬈

- Rate your meals, provide detailed reviews, and share great restaurants
- A fully responsive food rating web app built with MongoDB, Express, React, Node.js, AWS S3, and TailwindCSS
- Implemented and designed all REST API endpoints

Todo-list ⬈

- Todo web app built with React and Redux on the front-end for state management
- Utilizes Firebase Auth and Firestore on the back-end to manage user data

Voice Recognition Bot ⬈

- A discord music bot built with Typescript and Node.js
- Executes commands via voice recognition and text commands
- Utilizes the Picovoice porcupine engine for wakeword detection and Google Cloud for speech-to-text transcription