KRISTOPHER MATIC

Full-Stack Developer

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EDUCATION

University of British Columbia
BAsc. Mechanical Engineering
May 2020 (with Distinction)

SKILLS

Programming Languages
JavaScript, Typescript, HTML,
CSS, Python, C#

Libraries & Frameworks
React.js, React Native, Next.js,
Node.js, Express, Redux,
TailwindCSS

Tools & Platforms
Git, AWS, Firebase, Netlify,
Docker, Unity

Database
MongoDB, SQL, PostgreSQL

ABOUT

Self-taught Full-Stack developer
with a background in Mechanical
Engineering.

Inspired by digital experiences and
the underlying technologies
behind them.

Primarily using React and
Javascript to build out web
application, but any new language
or framework can be picked up.

PROJECTS

CuisineConnoisseurs ⬈
- 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

AI Image Generator ⬈
- A full-stack Next.js application built with Typescript utilizing the DALL-E API to generate images with a user provided prompt
- Processes payments using the Stripe API for additional credits
- Image storage in AWS S3 and user/icon metadata on Supabase

Voice Recognition Bot ⬈
- 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

RELEVANT EXPERIENCE

MTU Maintenance   Project Coordinator
November 2019 - April 2020 | Vancouver, BC
- Reviewed mechanical, electrical, and structural construction drawings to determine feasibility of design
- Coordinated facility improvement design requirements between management, production, and general contractors

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 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 testing