

ERIC XIE

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TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, C++, SQL

Frameworks/Libraries: React.js, Node.js, Express.js, Next.js, Tailwind CSS, Flask, pandas

Developer Tools: MongoDB, Firebase, Jupyter, Git

EXPERIENCE

Software Developer

Jan. 2023 – Present

Brookfield Annuity

Toronto, ON

- Developed financial bidding tools using Python, Pandas, and NumPy to generate pricing models/cash flow projections resulting in the reduction of bidding turnaround times by 80%
- Designed and implemented an intuitive Tkinter interface by collaborating closely with other departments enabling users to efficiently generate relevant bidding information, pricing reports, and slide decks
- Spearheaded the transition to a new development process and established clear organizational workflows within GitHub to streamline collaboration and reduce errors by 15%

Market Research

Sep. 2021 – Jan. 2022

DoubleOcean Financial Group Ltd.

Vancouver, BC

- Conducted an independent research project on machine learning used in PD-1 related medicine using library databases to explore areas for potential investment opportunities
- Collected and analyzed data using Microsoft Excel/Word to develop insights and recommendations for investment banking teams and clients
- Utilized the knowledge gained from the research to help make an informed investment proposition of In Silico companies

PROJECTS

PomoDuo Timer | *React.js, Node.js, Express.js, Firebase, Socket.io, Tailwind CSS*

March 2023 – Present

- Built a real-time study room web application using React.js and Firebase to allow users to generate/share room codes
- Implemented Node.js and Express.js to create server-side API endpoints to handle user and room validation
- Integrated real-time room functionality using Socket.IO allowing multiple users to study using a Pomodoro timer synchronously with each other

Career Snap | *MongoDB, Express.js, React.js, Node.js*

Feb. 2023 – Present

- Developed an internship tracker using the MERN stack to enhance career readiness and organization for students
- Implemented JWT authentication using Node.js to ensure secure user access to the application
- Integrated MongoDB for storing user account data and REST API endpoints using Express.js to handle requests/responses from frontend

Build-a-Buddy - NLP Persona ChatBot | *Cohere API, React.js, Typescript, Flask, Tailwind CSS, Figma*

Jan. 2023

- Created a persona chatbot using Cohere API for NLP allowing for accurate and dynamic responses to user input
- Designed a user-friendly interface using Material UI and Tailwind CSS to focus on user experience and increase engagement with the chatbot
- Implemented a Flask backend to handle user requests and store existing chatbot configurations by creating REST API endpoints

Personal Website | *React.js, Next.js, Tailwind CSS, Figma*

Dec. 2022 – Present

- Developed a personal website using Next.js and Tailwind CSS to create a platform for showcasing my projects and experiences.
- Deployed production React build using Netlify to setup CI/CD Pipeline with GitHub for efficient software changes
- Designed website through Adobe Photoshop and Figma to enhance the credibility and cohesivity of the website

EDUCATION

University of Waterloo

Candidate for Bachelor of Computer Engineering

Waterloo, ON

Sep. 2022 – April 2027