

ERIC XIE

416-838-4938 | pexie@uwaterloo.ca | [in linkedin.com/in/ericcxie](https://www.linkedin.com/in/ericcxie) | github.com/ericcxie | ericcxie.com

TECHNICAL SKILLS

Languages: Python, C++, SQL, Javascript, Typescript, HTML/CSS

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

Developer Tools: GitHub, Git, Jupyter, VSCode

EXPERIENCE

Software Developer

Jan. 2023 – Present

Brookfield Annuity

Toronto, ON

- Developed and maintained Python scripts and robotic process automation (RPA) solutions using pandas, NumPy, and Plotly in Jupyter Notebook; reduced overall processes time by 30%
- Contributed to the development of robust technological solutions to support the rapid growth of the business while working with multiple departments in an Agile development environment
- Assisted with research activities related to innovation initiatives and participated in the preparation of software requirements and prototyping solutions

Market Research Analyst

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

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

AmaFind - Amazon Web Scraper in Python | Python, pandas, Selenium, BeautifulSoup4

Oct. 2022 – Dec. 2022

- Implemented custom item queries from users using Selenium and BeautifulSoup4 to scrape all product information from Amazon into a CSV file
- Organized and sorted data using pandas DataFrames to provide users with key information in an easy-to-read format
- Enforced ethical scraping practices by limiting rate requests to ensure that the processes do not disrupt website services

EDUCATION

University of Waterloo

Candidate for Bachelor of Computer Engineering

Waterloo, ON

Sep. 2022 – April 2027