

ERIC XIE

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TECHNICAL SKILLS

Languages: Python3, C++, Javascript, HTML/CSS, Java

Frameworks/Libraries: ReactJS, NextJS, Tailwind CSS, Selenium, pandas, BeautifulSoup4, Bootstrap

Developer Tools: GitHub, Git, VSCode

PROJECTS

AmaFind - Amazon Web Scraper in Python [↗](#) | Python, Selenium, BeautifulSoup4, Git Oct. 2022 – Present

- 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

Budget Expense Tracker [↗](#) | ReactJS, JavaScript, Context API, CI/CD Pipeline Oct. 2022 – Present

- Developed a simple expense tracker using ReactJS to manage income and expenses
- Implemented styled-components to allow transaction inputs from users using Context API with Hooks
- Deployed production React build using Netlify to setup CI/CD Pipeline with GitHub for efficient software changes

Personal Website [↗](#) | ReactJS, NextJS, Tailwind CSS March 2022 – Present

- Developed a personal blog website using Bootstrap and HTML/CSS/Javascript in WordPress to create a platform for sharing my interests, designs, and writing portfolio
- Implemented SEO plugins to increase website traffic and optimize online visibility by 15%
- Designed personal branding through Adobe Photoshop and Illustrator to enhance the credibility and cohesivity of the website

Custom Mechanical Keyboard Build [↗](#) | QMK, VIA Jan. 2022 – June 2022

- Built custom keyboards by soldering individual hardware components
- Programmed and flashed custom keymaps to keyboard using QMK firmware

EXPERIENCE

Project Researcher Sep. 2021 – Feb. 2022

DoubleOcean Financial Group Ltd.

Vancouver, British Columbia

- Conducted an independent research project on machine learning used in PD-1 related medicine using library databases to explore areas for potential investment opportunities
- Organized and developed a report paper using Microsoft Word/Excel to concisely draw upon key points regarding the In Silico drug discovery market
- Utilized the knowledge gained from the research to help make an informed investment proposition of In Silico companies

Head of Publicity Oct. 2019 – July 2022

Bayview Yearbook Committee

Richmond Hill, ON

- Ensured the successful delivery of the yearbook by acting as a liaison between the student body and school administration
- Spearheaded a task management system using Microsoft Excel for efficient organization and communication of deadlines
- Reviewed and conducted 50+ applications/interviews using Zoom and Typeform to recruit members for the upcoming year
- Redesigned social media branding to improve student engagement by 20% using Adobe Photoshop and Illustrator

Mathematics Peer Tutor Nov. 2020 – June 2022

Bayview Secondary School

Richmond Hill, ON

- Supported students through developing individualized teaching plans by highlighting areas of improvement and success to best support tutees; improved tutees' average by 10%
- Implemented Miro in tutor sessions to develop an interactive online learning environment
- Devised and organized weekly tutoring sessions using Microsoft Teams for efficient communication

EDUCATION

University of Waterloo

Candidate for Bachelor of Computer Engineering

Waterloo, ON

Sep. 2022 – April 2027