

# ERIC XIE

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## TECHNICAL SKILLS

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**Languages:** Python, C++, Javascript, HTML/CSS, Java

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

**Developer Tools:** GitHub, Git, VSCode

## PROJECTS

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**Personal Website** [↗](#) | *ReactJS, NextJS, Tailwind CSS, Figma*

Dec. 2022 – Present

- Developed a personal website using React.js, 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, Illustrator, and Figma to enhance the credibility and cohesivity of the website

**AmaFind - Amazon Web Scraper in Python** [↗](#) | *Python, Selenium, BeautifulSoup4, Git*

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

**Budget Expense Tracker** [↗](#) | *ReactJS, JavaScript, Context API, CI/CD Pipeline*

Oct. 2022 – Nov. 2022

- 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

**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

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**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

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**University of Waterloo**

Waterloo, ON

*Candidate for Bachelor of Computer Engineering*

*Sep. 2022 – April 2027*