

ANNIE WONG

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TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, Racket, C, SQL

Frameworks/Libraries: React.js, Next.js, React Native, Tailwind CSS, NumPy, Pandas, Matplotlib, YFinance

Tools: Jupyter Notebook, GitHub, VS Code, Linux, MS Office Suite, Figma, Power BI

Soft skills: attention to detail, fast and adaptable learner, organization, creativity, self-motivated, problem-solving

EXPERIENCE

Frontend Developer

Dec 2024 - Present

WATOLINK Neurotechnology Design, University of Waterloo

Waterloo, ON

- Developing and deploying an enhanced version of the team's website using **React** and **Next.js**, implementing new features and performance optimizations to effectively promote ongoing projects and research initiatives
- Strengthened the site's functionality by reviewing **pull requests**, **debugging errors**, and enhancing overall performance
- Promoting the development of brain computer interface integrated wheelchairs and drones to support disabilities

CxC Data Science Hackathon Executive Member

Dec 2024 – Mar 2025

University of Waterloo Data Science Club

Waterloo, ON

- Planned and executed end-to-end logistics and activities for Canada's largest Datathon, managed **\$30K+** in funding for purchases of food, equipment, prizes, and directed **300+** participants to ensure a streamlined flow of the event
- Designed and implemented a dynamic dashboard by integrating **Microsoft Excel** with **Power BI**, achieved real-time visualization of participant performance metrics, increased participant engagement, and showcased activity trends
- Collaborated with cross-functional teams and achieved seamless coordination of sponsorship, marketing, and logistics

Mobile App Designer

Sep 2022 - Jun 2024

Project Metropolis, William Lyon Mackenzie Collegiate Institute

Toronto, ON

- Spearheaded the redesign of school mobile app and crafted a fully functional and user-friendly prototype through **Figma**
- Developed **three** key features to streamline access to school-wide information in collaboration with **five** teams and promoted the app, which resulted in a significant increase in engagement and surpassed 1,000+ active student users

PROJECTS

🔗 **Stock Portfolio Optimizer** | Python | NumPy | Pandas | Matplotlib | SciPy | Jupyter Notebook

Nov 2024

- Devised an algorithm to strategically select stocks from a list of tickers based on quantitative indices and formed a portfolio that beat the returns of TSX 60 AND S&P 500 indices by **20.5%**, and visualized insightful trends with **matplotlib**
- Optimized Sharpe ratio and beta values for the portfolio with **SciPy**, results increased the efficiency of code by **95%**

🔗 **InvolveU** | Python | NumPy | Pandas | Matplotlib | SciPy | Jupyter Notebook

Nov 2024

- Created a mobile app using **React Native** and **Django** to boost student engagement in extracurriculars through a points-based competition and integrated front-end and back-end applications to allow teachers to track student participation
- Engineered multiple interactive pages from scratch and optimized **UI/UX** to facilitate seamless user interactions

AWARDS AND ACHIEVEMENTS

2nd Place National Champion, Canadian National Leadership Conference, Future Business Leaders of America

Mar 2023

- Competed among **1,700+** participants with InvolveU and advanced to compete internationally in Atlanta, Georgia

Hack the Market Finalist, University of McMaster DeGroote Finance and Investment Council

Jan 2024

- Conducted quantitative analysis using **Python** and **object-oriented programming** in Python, implemented simulation models to evaluate buy-side and sell-side stock transactions, and visualized results with **matplotlib**

CFM scholarship (\$3,000) and President's Scholarship of Distinction (\$2,000), University of Waterloo

Jan 2024

EDUCATION

Candidate for Bachelor of Computer Science and Financial Management (CGPA: **95%**)

Sep 2024 - May 2029

University of Waterloo

Waterloo, ON

- Clubs and societies: Badminton Club, Mathematics Society, Women in Computer Science
- Courses: Designing Functional Programs, Data Structures and Algorithms, Intro to Financial Markets and Data Analytics