

ANNIE WONG

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TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, Racket, C, C++, C#, SQL, Bash

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

Tools: Jupyter Notebook, GitHub, VS Code, Linux, MS Office Suite, Excel, Figma, Power BI, Rest API, Microsoft SQL Server

Soft skills: attention to detail, fast and adaptable learner, cross-functional collaboration, self-motivated, problem-solving

EXPERIENCE

Fullstack Developer

May 2025 – Aug 2025

SparkLease Inc.

Toronto, ON

- Led agile development of a high-impact vehicle offer feature, integrating backend logic with the frontend display layer using **C#**, **ASP.NET MVC**, and **REST APIs**. Delivered seamless end-to-end functionality now used across **85%** of dealer-facing pages.
- Engineered a dynamic UI module to compute optimal offer bundles using a constraint-based compatibility matrix and backtracking algorithm, factoring in term length, interest and stackable incentives to present the most cost-effective offer.
- Enhanced a data synchronization pipeline with J.D. Power's LenderDesk API by authoring advanced **SQL queries** and automating processes with C# WebJobs, reducing processing time by **89%**. Leveraged **Azure Cloud Storage & Metrics** to increase data integrity and expand logging coverage across **4000+** vehicle records, maintaining a **99.97%** sync accuracy.
- Improved **SEO** by streamlining **URL structures** and auto-generating sitemaps to enhance crawlability and search visibility.

Frontend Developer

Dec 2024 – Present

WATOLINK Neurotechnology Design, University of Waterloo

Waterloo, ON

- Spearheaded the redevelopment of the team's website using **React** and **Next.js**, implementing responsive mobile design, new features, and performance optimizations to effectively promote ongoing cutting-edge BCI projects and research.
- Strengthened the site's functionality by reviewing **pull requests**, **debugging errors**, and enhancing overall performance.

Vice President, Events (formerly CxC Data Science Hackathon Executive Member)

Dec 2024 – Dec 2025

University of Waterloo Data Science Club

Waterloo, ON

- Led a 9-member executive team to deliver **10+** data science events, securing **\$5K+** in funding and engaging **500+** members through industry panels and competitions that strengthened community participation and exposure to data science.
- 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.

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** | React Native | Django | Railway | Figma

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

Tech@RBC Women's Advisory Program, Royal Bank of Canada

Sep 2025

- Selected from a highly competitive candidate pool to join the program and learn from a network of **RBC** professionals

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: 92%)

Sep 2024 - May 2029

University of Waterloo

Waterloo, ON

- Clubs and societies: UW Badminton Club, Mathematics Society, Tech+ UW, Women in Computer Science