

Justin Hui

"I put creative ideas into execution"

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EDUCATION:

University of Waterloo, Waterloo, ON

Expected Graduation 2025

- Candidate for Honours Bachelor of Computer Science and Finance (Double Major – Faculty of Mathematics)
 - GPA: 4.0 / 4.0 (Dean's Honours List – 93.5%)
 - Relevant Courses: Computer Science (98%), Businesses in North America (96%), Financial Markets and Data Analytics
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WORK EXPERIENCE:

BMO | Bank of Montreal, 100 King Street West, Toronto, Ontario

May 2022 – August 2022

Software Developer and Innovation Engineer Intern

- Created and delivered Python object-oriented health check automation scripts, XML Parser and bank employee information matcher for financial transactions technology solutions team improving the current success rate by 80%
- Enhanced CI/CD DevOps pipeline using Ansible for automation, performed end-to-end Java testing on Eclipse using Junit, Maven for build, and Docker for container used by over 2,000 users
- Increased scalability of current projects beyond expectations by thinking about use cases for other sectors of the bank and improving impact on ESG metrics
- Led a team of 7 BMO employees by designing and delivering an engaging and interactive mobile-friendly hands-on non-traditional financial literacy training experience prototype for 4000+ Toronto residents of Greater Golden Mile area encouraging greater entrepreneurship and understanding how to leave the debt cycle

Students First Choice Tutors Ontario, Markham

December 2018 – Present

Founder, CEO, Developer, and Educator

- Generating over \$80,000 in annual profit by providing education and career consulting services to 70+ clients
- Raising students' math marks from 60% to 95%, through understanding each students' unique needs and implementing strategies to optimize their strengths
- Teaching Mathematics, Computer Science (Python), Physics, Chemistry, Accounting, and Economics to students with learning disabilities such as high functioning ASD, ADHD, and Dyslexia, and the underprivileged. Mentoring and inspiring underrepresented students in pursuing a post-secondary STEM education and career
- Developed level A accessibility company website and web-application with HTML/CSS/JavaScript

BZone Internet, Markham-Stouffville

February 2021 – May 2021

Front End Software Engineer

- Used HTML/CSS/JavaScript, made business intelligence of customer transactions on over 25 graphs
 - Researched and applied accounting/finance models to display over 2,000 clients' financial statistics with JavaScript
 - With creativity and organizational skills, wrote detailed oriented business analytic reports which recommended search engine optimization improvements to the business
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PROJECTS:

Stock Portfolio Optimizer, built in Python

- Constructed a successful stock portfolio program with a near 0 % risk with a team of three people
- Built several functions to filter and return a diversified portfolio of 20 stocks with low Beta and low standard deviation from a randomly generated list of stocks from Yahoo Finance API using object-oriented design principles
- Integrated knowledge of capital markets, data structures such as list processing and recursion, algorithm, NumPy-Pandas, and statistical measures to build the project

Business Website and Web-Application, built in HTML/CSS/JavaScript

- Designed and developed accessibility level A company website and web-application quiz with HTML/CSS/JavaScript
 - Website attracted over 100 potential clients and helped bring in an average revenue increase of over \$1,000 per month
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ACCOMPLISHMENTS AND SKILLS:

- **Awards and Distinctions:**
 - Finance & Accounting Award for Top Achiever in School and Outstanding Leadership in Business
 - Economics Award for Top Achiever in School and Outstanding Leadership in Business
 - Physical Education Award for Leadership Excellence in Leisure & Recreation
 - 1st Place Trophy and Top Goalkeeper for CYSA Soccer Tournament with over 200 athletes
- **Interests:** Innovation and Entrepreneurship, Standing up for persons with disabilities, Social Justice
- **Expertise:** Portfolio Optimization, Cash Flow Analysis, Accounting, Financial Analysis, Agile software development
- **Programming Languages:** Python, Java, HTML/CSS, JavaScript, Racket, Microsoft Power BI
- **Technologies, Frameworks, Libraries:** Bootstrap, Pandas, SQL, Git, ReactJS, AngularJS, NumPy, MS Excel, MS Word