# Michelle Bourdon

Wellesley, MA, 02481

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## Skills

- Languages: C, C++, Java, Python, MATLAB, HTML, CSS, React, JS, SQL, Pandas, NumPy, ARM Assembly, Shell
- Design/Tools: Figma, Qt, Java-FX, OpenGL, Confluence, Jira, GitHub, JUnit, UML modeling, Gen-AI (LLMs)
- Market Research, Digital Marketing, Social Media, MS Excel / PowerPoint / Access, Adobe Creative Cloud
- Certifications: Google Analytics, Google Ads Search

## Education

**2021 - present**   **WESTERN UNIVERSITY (UWO)**     **London, Ontario**
- Bachelor of Science, majoring in Computer Science (GPA 3.7/4.0)
- Awards: Dean's Honor List, Western Scholarship of Distinction, Marie Smibert Writing Prize
- Clubs: Western Investment Club, Cancer Awareness Society

**Summer 2021**   **BOSTON LEADERSHIP INSTITUTE**     **Boston, MA**
*Finance Research Program*
- Introduction to mathematical concepts used in finance and capital markets
- Topics: fixed income and equity valuation, derivatives pricing, and cash flow forecasting

**2017 - 2021**   **WELLESLEY HIGH SCHOOL (WHS)**     **Wellesley, MA**
- GPA: senior year – 4.9/5.0, SAT: 1450 (99th percentile), 720 Read/Write, 730 Math
- Varsity athlete (track & field, ice hockey) with multiple state championships

## Experience

**2022 - present**   **MATHWORKS**     **Natick, MA**
*MATLAB Student Ambassador for Western University*
*Developer of MATLAB and Simulink mathematical computing software*
- Designed social media promotions to build MATLAB awareness on campus and drive attendance at events
- Led tutorials and trained students on coding concepts ranging from MATLAB basics to deep learning and AI

**Summer 2024**   **GOINVO**     **Arlington, MA**
*Designer & Engineer Intern*
*Digital design studio, crafting the future of healthcare through strategy, creativity, and vision*
- Designed and developed a report on fraud, waste, and abuse in the US healthcare system
- Implemented a data-driven visualization of MA state government services to highlight the benefits of a centralized enrollment system using HTML, CSS, JavaScript, and D3.

**Summer 2023**   **NOTOVOX**     **Boston, MA**
*Technology & Marketing Intern*
*Technology provider enabling intuitive, fast, and accurate medical coding by physicians*
- Evaluated generative AI technologies (e.g. Google Vertex AI) as future platforms for NotoVox by prototyping custom training with medical diagnostic code datasets and developing detailed reports for the CTO
- Performed secondary market research on AWS Marketplace as a SaaS platform for medical applications

**Summer 2022**   **INTERNATIONAL DATA CORPORATION (IDC)**     **Needham, MA**
*Market Research Intern – Infrastructure Services*
*Global provider of market intelligence for information technology, telecom, and consumer technology markets*
- Developed market forecasts and supporting summaries for published IDC reports on the Data Center Networking, Private 5G, and Multi-Cloud Networking markets
- Created vendor profiles of top professional services firms in the private 5G market

**Summer 2021**   **WELLESLEY STRATEGY ADVISORS**     **Wellesley, MA**
*Market Research Intern*
*Strategy consulting firm serving clients in healthcare, technology, private equity, and venture capital*
- Gathered data and created presentations to assess the competitive landscape for mobile diabetes apps
- Conducted secondary market research on university summer business programs for Smith College

## Volunteer

**2021 - present**   **UWO CANCER AWARENESS SOCIETY**     **London, Ontario**
*Director of Education*
- Researched topics and created educational social media posts to spread cancer prevention knowledge
- Drove large turnouts to fundraisers, guest speaker events and other UWO club events

## Personal

- Dual citizenship (USA / Canada)  •  Enjoy running, ice hockey, graphic design, and painting