# Michelle Bourdon

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## Skills

- Languages: C, C++, Java, Python, MATLAB, HTML, CSS, JavaScript, ARM Assembly, SQL, Pandas, NumPy, Linux
- Design/Tools: UML modeling, Figma, Qt, Java-FX, Confluence, Jira, GitHub, Gen-AI (LLMs)
- Market Research, Digital Marketing, Social Media, MS Excel / PowerPoint / Access, Adobe Creative Cloud

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## Education

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| 2021 - present | **WESTERN UNIVERSITY (UWO)** | **London, Ontario** |

- Bachelor of Science, majoring in Computer Science (GPA: 3.5/4.0)
- Awards: Dean's Honor List, Western Scholarship of Distinction, Marie Smibert Writing Prize
- Clubs: Western Investment Club, Cancer Awareness Society

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|---|---|---|
| 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

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| 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

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## Experience

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| 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
- Lead tutorials and train students on coding concepts ranging from MATLAB basics to deep learning and AI

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| 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

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| 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

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| 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 IDC published 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

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|---|---|---|
| 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

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## Volunteer

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| 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

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## Personal

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