

Michelle Bourdon

Wellesley, MA, 02481

(781) 502-6810 | mbourdon@gmail.com
michellebourdon.com | [linkedin.com/in/mebourdon](https://www.linkedin.com/in/mebourdon)

Skills

CS Foundations: Algorithm design, data structures, object-oriented programming

Programming: C, C++, Java, Python, Pandas, NumPy, MATLAB, Linux Shell (bash), ARM Assembly, UML modeling

Web Development: HTML, CSS, Tailwind, React, JavaScript, Typescript, Node.js, Bootstrap

UI/UX Design: HCI principles, Wireframes, Figma, JavaFX, Qt

Databases: MySQL, MS Access, ER Diagrams, SQL queries, PHP integration

Networking: TCP/IP networking, socket programming, RESTful APIs, JSON, HTTP

Collaboration & Testing: Git, GitHub, Confluence, Jira, Junit, pytest

Operating Systems: Mac, Windows, Linux, Cloud Platforms

Marketing: MS Excel, Market Research, Presentations, Digital Marketing, Social Media, Google Analytics, Google Ads Search

Education

Western University (UWO)

London, Ontario

Bachelor of Science, majoring in Computer Science (GPA 3.7/4.0)

2021-present

Awards: Dean's Honor List, Western Scholarship of Distinction, Marie Smibert Writing Prize

Clubs: Western Investment Club, Cancer Awareness Society - Director of Education

Wellesley High School (WHS)

Wellesley, MA

SAT: 1450 (99th percentile)

2017-2021

Athletics: Varsity track and ice hockey with multiple state championships

Experience

MathWorks

Natick, MA

MATLAB Student Ambassador for Western University

Sept 2022- June 2025

- Led tutorials and trained students on MATLAB basics, machine learning, and deep learning
- Created a social media channel, launched email campaigns, and designed 50+ graphics as posts to drive students to training events and build a community for MATLAB users on campus
- Skills used: MATLAB, Simulink, Canva, Figma, PowerPoint, digital marketing, presentations, problem solving

GoInvo

Arlington, MA

Designer & Engineer Intern

Summer 2024

- Researched, designed, developed, and published a web-based report on Fraud, Waste, and Abuse (FWA) in the US Healthcare system which was recognized by healthcare data leaders
- Built a data driven visualization of Massachusetts services to show the value of a centralized enrollment system
- Skills used: HTML, CSS, JS, Node.js, D3.js, JSON, Figma, GitHub, UI/UX design, writing, problem solving, research

NotoVox

Boston, MA

Technology & Marketing Intern

Summer 2023

- Evaluated generative AI technologies 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
- Skills used: Google Vertex AI, LLMs, AWS, Figma, prototyping, market research, writing

International Data Corporation (IDC)

Needham, MA

Market Research Intern – Infrastructure Services

Summer 2022

- Modelled industry forecasts using advanced Excel features and authored 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

Wellesley Strategy Advisors

Wellesley, MA

Market Research Intern

Summer 2021

- 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

Personal

- Running, graphic design, and painting • Dual citizenship (USA / Canada)