

# Elliot Alderson

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## EDUCATION

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### **Bachelor of Science** **2021 – Present**

University of Manitoba

Major: Computer Science, Minor: Biology

Relevant Courses: Data Structures and Algorithms, Analysis of Algorithms, Programming Practices

## COMPUTER SKILLS

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Java, HTML, WordPress, Python, C#, JavaScript, AWS, SQL, UX design

## RELEVANT EXPERIENCE

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### **COMP TA/Tutor/Demo Leader** **2023-Present**

Various Courses, University of Manitoba

- Communicated with workshop attendees to explain complex computer science skills
- Completed training in order to teach students how to program various coding languages

### **Coding Mentor (Volunteer)** **2022 – Present**

Canada Learning Code

- Aided in teaching HTML, SQL, JavaScript, and UX design workshops to dozens of students and adults
- Collaborated with team members to facilitate a good learning environment online and in-person

## COMPUTER PROJECTS

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### **App Development -- Coding Practice** **2022**

Personal

- Created program to help users learn and practice coding concepts that included exercise, tutorials and code editor
- Provided hands-on learning experience for fellow students while showcasing expertise of coding languages

### **Lab -- Kernel Design and Implementation** **2023**

COMP 3430, Operating Systems, University of Manitoba

- Created a mock core of an operating system which acted as the bridge between hardware and software
- Developed a robust and efficient kernel to enhance system stability and optimize resource utilization
- Practiced developing program whose intention is to empower applications and maximize system performance

### **Project -- Machine Learning Algorithms** **2022**

COMP 4360 Machine Learning, University of Manitoba

- Gathered dataset and handled missing values, removed outliers, and normalized the data scales
- Researched appropriate machine learning algorithms and processed data to learn underlying relationships
- Assessed performance of model utilising evaluation metrics and fine-tuned model by adjusting programs as needed

## **WORK EXPERIENCE**

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### **Office Assistant**

**2020 – 2022**

Student Life, University of Manitoba

- Managed technological issues for the department to ensure programs ran smoothly for clients and staff
- Advertised programming during major events to promote programs and workshops to potential clients
- Presented workshops to groups as large as 50 students with a friendly, confident, and professional tone
- Contacted key stakeholders frequently over phone and email to organize events and workshops

### **Customer Service Representative**

**2019 – 2022**

IntouchCX

- Assisted clients through inbound calls, emails, and chat with their questions with a positive attitude
- Resolved client's inquiries utilizing active listening and patience with diverse clientele
- Retained a working knowledge of new products with the ability to explain technological fixes as needed

## **VOLUNTEER EXPERIENCE**

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### **Volunteer**

**2019**

Let's Talk Science, University of Manitoba

- Organized and coordinated campus visits for school-aged children to spark interest in STEM education
- Supervised groups of students in visiting labs, attending lectures, and participating in activities
- Visited elementary, middle, and high schools to lead lab demonstrations and educational events

### **Invigilator**

**2019**

High School Programming Contest, University of Manitoba

## **MEMBERSHIPS**

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**Computer Science Students' Association**, University of Manitoba

**Member 2018 – Present**

**devClub**, University of Manitoba

**Member 2019 – Present**