

# Tyler MacDonald

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## Objectives

Recent graduate in Applied Computer Science seeking a role in software development, game development, or cloud-based applications. Brings hands-on experience with Unity, AWS, and web technologies, along with a solid foundation in collaborative and independent work.

## Technical Skills

- **Languages:** Python, C#, Javascript, Java, PHP, SQL
- **Tools & Frameworks:** Unity, AWS, Git, HTML/CSS
- **Other:** Game Development, REST APIs, Serverless Architecture, Version Control

## Projects (see full portfolio for details)

- **2D Mi'kmaq Language Platformer**
  - o Designed to teach children Mi'kmaq vocabulary. Worked as a Junior and Senior Developer on player movement, level design, and bug fixing.
- **BCI-Controlled 3D Game**
  - o Worked as a Technical Director in a team project integrating Brain-Computer-Interface input for controlling gameplay mechanics.
- **Necro Blast (3D FPS Game)**
  - o Contributed to enemy movement scripts and documentation in a collaborative project.
- **Serverless URL Shortener (AWS)**
  - o Solo project using Lambda, API Gateway, and DynamoDB. Developed full REST API with automatic backups via AWS Backup
- **3D Platformer Game**
  - o Solo Unity project: designed, programmed, and tested a complete 3D platformer game.

## Education

**Bachelor of Applied  
Computer Science**  
Dalhousie University

**2020-2025**

**Bachelor of Science**  
Saint Mary's University

**2018-2020**

**High School Diploma**  
JL Ilsley High School

**2018**

## **Volunteer Experience**

**Volunteer**  
Maritime JiuJitsu, Halifax, NS

- Assisted in renovating training area
- Cleaned and sanitized mats regularly to maintain hygiene standards
- Managed waste disposal to ensure clean environment

**2019-Present**

## **Employment History**

**Sales Associate**  
H&M, Halifax, NS

**2024-Present**

**Meat Department Associate**  
No Frills, Halifax, NS

**2019-2023**

**Team Member**  
Tim Horton's, Halifax, NS

**2017-2019**

**References Available Upon Request**