

# Tahmidul Islam

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## Education

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### Lakehead University

HBS Computer Science

Thunder Bay, Ontario

January 2019 - April 2024

## Work Experience

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### Raphael Stone USA

*Freelance Automation Developer*

Online

Jun 2018 - July 2018

- Developed Google Apps Script automation for parsing and importing email data into Google Sheets.
- Implemented Zapier automation with Twilio integration to streamline workflows.

## Skills

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Programming Languages:

Python, Java, C++, JavaScript, Bash, Powershell

Tools & Frameworks:

Flask, Git, Docker, Zapier, GameCI, CI/CD with Github Actions

Cloud Platforms:

Google Cloud Platform (GCP), AWS (EC2, S3)

Server Management:

Ubuntu Server, Hyper-V, Docker Swarm, Container Deployment & Management with Portainer, Homelab (7 years)

Operating Systems:

Windows 7/8/10/11, MacOS, Debian-based distros, Arch-based distros

## Projects

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### Full-Stack AI-Powered URL Shortener

*Python, Flask, AWS EC2, Django, NLP, GitHub Actions*  
Developed an AI-powered URL shortening service using Flask and Django. Integrated a pre-trained RoBERTa model to generate relevant slugs, enhancing user experience. Deployed the application on AWS EC2, automating updates and scaling using GitHub Actions.

### Cloud-Based Game Development Workflow

*Unity, C#, GameCI, GitHub Actions, GitHub Pages*  
Built and deployed two games using Unity and HaxeFlixel, implementing game mechanics in C# and Haxe. Leveraged GameCI for automated builds and deployments. Used GitHub Actions for CI/CD and deployed the final game to GitHub Pages for browser-based gameplay.

### Automated Calendar Data Importer

*Python, Google App Script, Web Scraping, CI/CD*  
Created a Python-based script to automate calendar updates for free concerts in Toronto. Utilized web scraping to parse schedule data and generate ICS files. Implemented Google Apps Script integration for automatic synchronization with Google Calendar.

## Awards

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### Dean's List

Recognized for excellent academic performance in the 2020-21 academic year.

Lakehead University

2021

### Level 3 of Lakehead Makes Leaders

Won the "Think Like a Boss" module, competing in a simulated investment portfolio challenge. Developed teamwork, conflict resolution, and investor presentation skills.

Lakehead University

November 2021