

Amit Altman

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PROFESSIONAL EXPERIENCE

IT Software Developer

05/2023 – 08/2023

ILAC

Worked heavily on information technology, forming various enhancements and creating automation flows for data engineering solutions, eradicating existing manual and inefficient processes, saving countless hours spent on data management and tracking. Includes working heavily with C#, JavaScript, HTML/CSS, and Microsoft's Power Platform including Power Apps, Power BI, Power Automate, and Dynamics 365, while utilizing Azure DevOps. Additionally contributed to the web development of ad tracking using Facebook's API and Google AdSense.

Tabulator Deputy Returning Officer

05/2022 – 06/2022

Elections Ontario

Toronto, Canada

Ran the tabulator voting machine on-site to document votes anonymously within the Eglinton—Lawrence electoral district.

Programming Instructor

06/2020 – 05/2021

Self-Employed

Toronto, Canada

Taught elementary school students how to program in basic Java in a semi-private virtual setting. Discovered an opportunity in the market of after-school activities during the pandemic. Provided a solution for parents looking to expand and improve their children's skills and activities.

Basketball Referee

09/2019 – 02/2020

North Toronto Basketball Association

Toronto, Canada

Officiated at sporting games and competitions to maintain standards of play and to ensure that game rules were observed, and safety practices adhered to.

PROJECTS

Movie Playback

First-Year Design Team Project

An engineering solution to the client's problem of being independent in movie selection with their impairments. The solution uses a Raspberry Pi on Linux running on-launch via Python script a full-screen local web application using HTML/CSS to display movies, and an Arduino controller transmitting input signals wirelessly to control the application.

Study Squid

QHacks 2023 Hackathon Team Project

A full-stack web application that infinitely generates unique math and science problems to solve for students studying the field, using languages and APIs including Python, JavaScript, HTML/CSS, Flask, NumPy, and Wolfram API

Emulated Game Controller

Personal Project

An Arduino device attached to a breadboard connecting multiple inputs including buttons and joysticks emulating Xbox 360 controller inputs via Arduino C with XInput API.

Pac-Man

Personal Project

Re-creation of the original Pac-Man using Java from scratch using JFrame, with minimal artificial intelligence on ghosts.

SKILLS

Programming Languages/APIs

Java, C, C#, C++, JavaScript (Vanilla JS, Node.js, and React), Python (Flask, NumPy), HTML/CSS, Database Query (MySQL), Encryption (RSA)

Engineering Resources

Microsoft Excel, Power Platform, and Dynamics 365, Data Management, Azure DevOps, CAD software (AutoCAD & Fusion 360), Soldering, Computer Building, Arduino C

EDUCATION

Bachelor of Applied Science - BASc, Engineering Physics

09/2023 – present

Queen's University

Kingston, ON, Canada

Current Engineering Physics undergraduate student, with specialty in Electrical & Computing

Bachelor of Engineering - BE

09/2022 – 06/2023

University of Western Ontario

London, ON, Canada

Transferred to Queen's University following first year in Engineering