

# Deric Huynh

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## EDUCATION

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### Northern Alberta Institute of Technology

Sep. 2022 – Apr. 2024

*Computer Engineering Technology (3.9/4.0 GPA)*

*Edmonton, AB*

- Knowledgeable in C#, Python, and embedded systems programming in C.
- Experienced in web development with HTML, CSS, Javascript and ASP.NET Core with backend database.
- Well-versed in designing embedded systems circuits.

## EXPERIENCE

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### Centre National de Cyclisme de Bromont

Jul. 2021 – Aug. 2021

*Appariteur*

*Bromont, QC*

- Executed customer service operations and physical labor at a prominent bike trail company in French.
- Obtained a foundational comprehension of workplace protocols and proficiency in cross-cultural communication.

## PROJECTS

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### Home Wizard

Jan. 2024 – Apr. 2024

- Developed a web-based smart home using a C# ASP.NET REST API with Svelte/Tailwind CSS as the front-end.
- Hosted each service using Kubernetes, pulling custom Docker images from Docker Hub for zero-downtime CI/CD.
- Designed and Reverse Engineered a Microsoft SQL Database for back-end integration.
- Designed and Developed four smart home devices using Pi Pico's and MicroPython, interfacing through MQTT.

### Asteroids Clone

Nov. 2020 – Dec. 2020

- Developed a clone of 'Asteroids' using OOP standards, implemented using Java Swing components for rendering.
- Showcased in W.P Wagner's open houses due to a polished, bug-free implementation.

### Portfolio Website

May. 2024 – Present

- Designing and Developing a personal website to centralize and showcase previous work.
- Developing using React and Tailwind CSS, using Headless UI components for animations and interactions.
- Hosted on Cloudflare Pages, using a deploy hook on GitHub for CI/CD.

### Homelab Hosting

Jan. 2023 – Sep. 2023

- Setup and installed a server rack with a patch panel, Dell PowerEdge r730 and a Cisco 3560x switch.
- Hosted and maintained a Minecraft server on a Linux Server VM using Proxmox.
- Remotely configured and managed the server using SSH and IDRAC 8.
- Setup minecraft DNS resolution using local DNS server and Proxmox networking.

## PERSONAL ACTIVITIES

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### Toastmasters

Nov. 2023 – Present

*Vice President of Education*

*Edmonton, AB*

- Delivered speeches, workshops and icebreakers in Edmonton's Advanced Toastmasters Club.
- Demonstrated exceptional communication and the ability to take in and implement criticism.

### Junior Achievement

Jan. 2020 – Apr. 2021

*Employee*

*Edmonton, AB*

- Designed, manufactured and marketed a product, following business practices and regulations as a small business.

## TECHNICAL SKILLS

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**Languages:** Java, C, Python, C, SQL (Microsoft SQL), JavaScript, HTML/CSS

**Frameworks:** React, Svelte, Tailwind CSS, Headless UI

**Developer Tools:** GitHub, Docker, DockerHub, Kubernetes, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Certifications:** Standard First Aid & CPR/AED Level C