

Gabriel Horth

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | Windows 10 • Linux (Ubuntu)

Applications | Microsoft Office: Word - Excel - PPT • Mathematica • Maple • XAMPP

Programming | Java • Python • SQL • PHP • HTML • CSS • JavaScript

Other | GitHub

Languages | English | Spoken & Written (Native) • French | Spoken & Written (Fluent) • Mandarin | Spoken (Learning)

Licenses & Certifications | ASP-Construction – Health and Safety

EDUCATION

Bachelor of Computer Science –

Joint Major in Mathematics and Statistics and Computer Science Co-op

2021- 2025 (Expected)

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- GPA 3.34 / 4.30
- Relevant Courses: Object Oriented Programming (Java) I & II, Data Structures & Algorithms, System Hardware, Databases, Operating System, Data Analytics, Web Programming

AEC in Entertainment Rigging (College-Level)

2012

Collège Lionel-Groulx, Ste Thérèse, QC

PROJECTS

Cyclic Redundancy Check (CRC) in MARIE assembly language

2022

Concordia University, Montreal, QC

- Implemented a CRC in a 4-bit instruction-code assembly language with a colleague.
- Built all subroutines including division, mod operations, loops, binary message splitter and concatenator, and bitwise XOR.
- Presented written report of algorithms and implementation.
- Received perfect marks from our supervisor.

Core Competencies: Creative Problem Solving, Execution Under Constraints, Teamwork and Communication

Full Stack Web Development Project: Personal Website with Dynamic Database Interactions

2023

Concordia University, Montreal, QC

- Designed and developed a personal website using HTML, CSS, PHP and MySQL
- Converted SQL files to PHP to create a backend system for remote database interaction. (In progress)
- Hosted the website through XAMPP and ngrok to make it accessible to the public.

Core Competencies: Full Stack Web Development, Database Interaction, Website Hosting and Deployment

Snakes and Ladders Game in Java

2022

Concordia University, Montreal, QC

- Created a Snakes and Ladders game in Java.
- Exceeded requirements creating ASCII visual progression of players.
- Added menu options to personalize the speed of game and quantity of details displayed.

Core Competencies: Initiative, Object Oriented Programming

WORK EXPERIENCE

Crew Chief & Rigging and Site Operations Technician

2017 – 2020

Crew That Canada / Crew That USA

- Successfully managed client relationships and handled administrative tasks, contributing to company growth and efficient operations.
- Provided exceptional customer service and consistently exceeded client expectations, resulting in high levels of satisfaction and retention.
- Coordinated and collaborated effectively with local teams and other departments, fostering strong relationships and meeting client deadlines.
- Demonstrated leadership and problem-solving skills, ensuring continued operation and presenting findings for process improvement.

Core Competencies: Leadership, Oral and Written Communication, Decision-making, Collaboration and Teamwork

Installation Rigger

2016 – 2017

Artotech Integration Inc., Terrebonne, QC

- Quickly identified and resolved compatibility issues with engineering and drafting teams, ensuring seamless collaboration and project execution.
- Expertly performed installation and calibration of stage systems, resulting in smooth operation and successful delivery.

Core Competencies: Technical expertise, Problem-solving, Adaptability

Assistant Head Rigger & Head Rigger by Interim

2014 – 2016

La TOHU – Cite des Arts de Cirque, Montréal, QC

- Stepped in to ensure continued operation of key processes, demonstrating leadership and problem-solving skills.
- Conducted a thorough audit on equipment and processes, presenting actionable findings and recommendations for improved safety and reduced liability.
- Successfully operated in a fast-paced environment with strict deadlines, demonstrating strong time management skills.

Core Competencies: Leadership, Initiative, Decision-making

INTERESTS

Experience Abroad

Extensive travel experience, including completing a six-month contract in Hangzhou, China, and working in numerous Canadian provinces and US states.

Reading

Wide-ranging reading interests, including history, economics, linguistics, and human evolution and the brain.

Passions

Passionate about data and its ability to provide unique perspective on numerous phenomena.