

MACKENZIE FURLONG



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SKILLS

Technical Skills

Languages:

- Java, Python, HTML, CSS, JavaScript, NodeJS, PHP, MATLAB, C++, C, Bash

Database Management:

- MySQL, MongoDB

Cloud-Based Technologies:

- AWS

Networking:

- Wireshark, Sockets, TCP/UDP

System Modelling/Checking:

- Alloy, SMV

Data Analysis:

- KNIME, Excel, Data Analysis Algorithms

Soft Skills

- Project Management, Problem Solving, Attention to Detail, Fast Learning, Self-Management, Teamwork, Communication/Writing

EDUCATION

Queen's University

Bachelor of Computing Honours

Computer Science (Cum. 3.7 GPA)

Kingston, ON . 04/2021

- Specialization in Software Design
- Dean's List 2016-2021

PROFESSIONAL SUMMARY

Enthusiastic and versatile software developer with over 7 years of programming experience. Self-directed leader with expertise in full stack web development and a variety of other fields within computer science. As a recent graduate with a specialization in software design, I have a fresh perspective on design decisions and tools to make any project the cutting edge of software.

WORK HISTORY

Queen's University - Teaching Assistant

Kingston, Ontario . 09/2018 - 04/2021

- Delivered personalized education in fields such as Java programming and software design.
- Supported classroom activities, including tutoring, grading work and reviewing exams.
- Punctually responded through email correspondence during non-classroom hours.

Sapphir - Full Stack Web Developer

Montreal, ON . 05/2020 - 08/2020

- Coordinated with my small team and management to efficiently design and develop a web application according to requirements.
- Worked on frontend and backend systems using HTML, CSS, JavaScript, Express/Node.js, MongoDB and AWS.
- Managed milestones from initial steps through final delivery.

NanoFabrication Kingston - Full Stack Web Developer

Kingston, ON . 09/2019 - 04/2020

- Integrated an RFID scanner system with a backend database to access control lab technology as well as log machine usage.
- Developed a frontend web application to allow for easier lab administration and billing of clients.
- Utilized the pandas library to integrate the system with previous Excel log files and create seamless coordination with use of Excel in the future by management.

Aqua Tech Solutions Inc. - Project Coordinator

Schomberg, ON . 05/2019 - 08/2019

- Kept projects on schedule by managing deadlines and adjusting workflows as needed.
- Organized jobsites and coordinated day-to-day activities for crews.
- Developed specialized reports utilizing my PACP/MACP/LACP certifications for clients.