

Punit Daga

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Education

University of Ottawa

Ottawa, Canada

BASc in Computer Engineering

Sept 2018 - May 2024

- Proficient in C++, Python, and Java, JavaScript, Android Studio, VHDL, Assembly
- **Courses:** Introduction to Product Development and Management, Data Structures and Algorithms, Computer Systems Design, Data Communications and Networking, and Software Design and Architecture

Work Experience

Lonehaven (Co-op Term 3 & 4)

Toronto, Canada

Software Developer

May 2022 - December 2022

- Developed software for small-scale projects, adhering to software development best practices and ensuring high-quality deliverables.
- Contributed to the design, development, and deployment of the company website.
- Contributed to the development and implementation of custom software solutions for clients in a variety of industries such as e-commerce.
- Collaborated closely with clients to understand their needs and requirements, and develop tailored solutions that met their unique needs.
- Implemented agile development practices and continuous integration and deployment to improve efficiency and quality of deliverables.

Ottawa Department of Medicine (Co-op Term 1 & 2)

Ottawa, Canada

Software Engineer

September 2020 - April 2021

- Collaborated with a team of Microsoft Engineers to develop and implement the backend for Azure Devops, including a robust security system.
- Developed a React.js web application with Material UI to optimize the triage of emergency patients based on the severity of their condition.
- Collaborated with doctors, nurses, and administrative staff to identify and implement solutions that improved user experience and productivity.
- Conducted thorough testing and debugging to ensure high-quality code and mitigate any potential issues.
- Developed an SQL database to store and manage patient data securely and efficiently.

Smart Living Properties

Ottawa, Canada

Network Technician (Part-Time)

September 2019 - April 2020

- Provided comprehensive on-location home internet solutions for a large-scale real estate property management company, including setting up and configuring network equipment, troubleshooting connectivity issues, and resolving Gozi spyware infections on multiple networks.
- Implemented enterprise-level network solutions using Cisco Meraki switches, including VLANs, traffic shaping, and firewall rules.
- Assisted in the design, installation, and maintenance of network infrastructure for new properties under development.
- Provided technical support and customer service to tenants and property managers, ensuring high levels of satisfaction and retention.
- Developed and delivered training materials to educate tenants and property managers on best practices for maintaining secure and reliable networks.

Projects

Emergency Call Bell System

Ottawa, Canada

University of Ottawa

Jan 2020 - Apr 2020

- Developed a Fitbit app that communicates with an Android companion app to contact emergency services in case a fall is detected.
- Worked on the fall detection and calling system on the phone.
- **Technical Skills:** Fitbit API, Android app development.

ScrapYard - Automated Trash Sorting System

Ottawa, Canada

University of Ottawa

Sep 2022 - Apr 2023

- Developed an automated trash sorting system using an Arduino to control the system and a Raspberry Pi to run a neural network and camera for object detection.
- Created a website and database to track machine locations, update new detections, and display statistics for individual machines.
- **Technical Skills:** Arduino, Raspberry Pi, Neural Network, Object Detection, Website Development, PostgreSQL.

Skills

All Skills

C++, Java, Python, C, HTML, CSS, Angular.js, Kotlin, Assembly, VHDL, React.js, JavaScript, Azure Devops, Material UI, SQL, Security, Software Development, Agile Development, Continuous Integration and Deployment, Leadership, Teamwork, Client Management, Network Security, Cisco Meraki, Network troubleshooting, Customer service, Technical support, Training and Education, Microsoft Office, Arduino IDE, Android Studio, Fitbit API, Firebase API, MySQL.

References available upon request.