Maaz Qureshi

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Education

University of Toronto

Bachelor of Computer Engineering 2019 - 2024 | Canada

Professional Experience

Fakeeh University Hospital

Network and Security Engineering Intern May 2023 – Jul 2023 | Dubai, U.A.E

- Gained experience working with a wide suite of network and cyber-security tools and programs such as CISCO Prime Infrastructure, Senhasegura, Kaspersky Security, Forcepoint DLP and Fortiguard

Advanced Micro Devices (AMD), Inc.

Software Development Engineering

May 2022 – Apr 2023 | Markham, Canada

- Developed Radeon Gaming Software and AMD Link with C++ and OML
- Worked on feature development, game streaming, interfacing with drivers for graphical & display tuning, localization, analytics tracking and UI

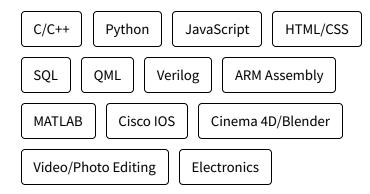
e& Enterprise

Network Engineering Internship

Jun 2021 – Aug 2021 | Dubai, U.A.E

 Gained technical and practical networking knowledge by configuring routers and switches in Cisco IOS

🤁 Skills



🐯 Languages

Projects

LoRa sensor network for monitoring soil quality (IoT)

Sep 2023 – present

- Integrating off the shelf hardware (sensors, pump, ESP32 microcontroller) and software libraries (OneWire, Arduino, React) with the proprietary CottonCandy IoT network hardware
- Developing interfaces between the sensors, actuators and CottonCandy network
- Building cloud infrastructure from existing components (AWS RDS, AWS Lambda, AWS IoT) to transmit data on to an interactive web dashboard

SPARK Design Club Displays

C/C++, Python, Electronics

2022 - present

- Designing PCBs and creating arcade games by programming microcontrollers to interface with assorted modules/components

Circuit Component Classifier AI Model

Python

2022

- Machine learning model to detect and classify circuit components

Chat Room Server (Networks)

С

2022

- Multi-user chat room created using sockets

Interactive City Map

C++

2021

- Rendered city map using EZGL graphics API and OpenStreetMap data along with UI design in Glade.
- Implemented A* path searching algorithm for navigation with simulated annealing, 2-Opt and Dijkstra's multi destination to create efficient delivery routes for couriers.

Candy Crush Game

C, ARM Assembly, DE1-SoC

2021