Alexander Lako

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SKILLS

- Programming languages; Java, Python, C / C++, JavaScript, VB
- Using programs and platforms such as Linux, SQL, MongoDB, GitHub, Node.js, Arduino, Godot, MS Office
- Developing code that is clear, strong, and intelligent
- Diagnosing / fixing bugs and software issues
- Demonstrating teamwork, communication, leadership, creativity (Carleton University Badminton Club)

WORK EXPERIENCE

Carleton University
Teaching Assistant
Sept 2024 – Present
- Supported students in their understanding of Quantum Computing
- Graded assignments while providing feedback to help support academic growth
- Held weekly office hours assisting students with course content and academic challenges

Tutor
2021– Present
- Provide one on one tutoring in Computer Science and Mathematics.
- Identify problem areas, teach core concepts, and help with exam preparation.
- Teach strategies to improve problem solving skills

Applied Financial Analysis Inc
Summer Computer Associate
Jun 2019 – Aug 2023
- Managed in-house computer system including procurement, hardware updates and software
- Purchased new/used computers and components from various sellers including auctions, Amazon returns, and bankruptcies
- Inspected, tested, and diagnosed used computers to identity good components and build optimized computers
- Sold refurbished computers through online and in-person channels
- Troubleshooting computer issues

EDUCATION

Bachelor of Computer Science
Minor in Mathematics
Software Engineering Stream
Carleton University (2020 - Present)

APPLIED PROJECTS

Interactive Bookstore
Created an interactive bookstore using Python with associated SQL database. Owners can track sales and account information with associated reports. New books are added using multiple criteria of author, title, category, ISBN. Users can search books by criteria and availability with subsequent purchase.

Elevator System Control
Wrote C++ elevator system control program. Fully functioning, recognizing inside and outside button selection with subsequent door functions, floor movement direction, and associated sounds. Additional inputs are also accommodated recognizing current elevator selections, floors to be accessed, order of floors selected, and direction of elevator movement.

Restaurant Website
Created a restaurant website in JavaScript / HTML using server-side programming and AJAX with associated MongoDB database. Menu items with description and price are stored in the database where they can be modified and updated. Inventory and sales are also tracked with associated reports.