

# SHADI SE AidOUN

## Aspiring Software Engineer

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### SUMMARY

Accomplished Computer Science graduate with proven expertise in automation, data analysis, and software development. Experienced in leading technical teams and implementing workflow solutions using Power Automate and SharePoint. Combines strong programming capabilities (Java, Python, C/C++, SQL) with effective leadership and trilingual communication skills in English, French and Arabic. Demonstrated success in optimizing processes and developing user-friendly applications, with particular strength in solving complex computational problems through innovative approaches.

### TECHNICAL SKILLS

- Python
- C++
- C
- Java
- SQL
- Git
- OpenGL
- GLM
- GLFW
- Vercel
- Microsoft 365
- Power Automate
- Power BI
- SharePoint
- Excel

### SOFT SKILLS

- Problem Solving
- Adaptability / flexibility
- Time Management
- Collaboration
- Leadership

### PROFESSIONAL EXPERIENCE

#### Team Lead / Cloud Data Analyst • Shared Services Canada (Remote)

Jul 2022 – Apr 2025

- Led a team of 5 students, ensuring task completion and providing support as needed to maintain productivity and quality standards. Conducted weekly touchpoints to monitor progress, address challenges, and align efforts with project goals.
- Automated business request handling by pulling data from the BITS database as an Excel file; used Power Automate to transfer each row onto a SharePoint list and notified the respective manager of new business requests.
- Automated candidate document processing by developing a Microsoft Forms workflow that generates SharePoint folders upon submission, organizes required signing documents, and updates an MS List for real-time status tracking

#### Instructor - Private Tutoring Services

Jul 2024 - Aug 2024

- Conducted one-on-one tutoring sessions for university students in Calculus 2, covering integration techniques, sequences, series, parametric equations and polar coordinates.
- Organized weekly study plans tailored to students requiring one-on-one attention to ensure all pupils comprehended key concepts, stayed on task and were able to work in a timely manner.
- Created assessments and evaluations to track progression and pinpoint areas in need of improvement as well as modifying future study programs.

### PROJECTS

#### 3D Path Planning for NP-Hard Shortest Path Problem

Sept 2024 - Apr 2025

- Implemented and compared three fundamental algorithms for the NP-hard problem of 3D shortest path planning
- Developed a parallelized version achieving 76% faster computation while maintaining path quality
- Built an interactive visualization system with C++, OpenGL and ImGui for real-time performance monitoring across varying obstacle densities (1-500)

### EDUCATION

#### The University of Western Ontario

Sept 2021 - Apr 2025

B.Sc. in Computer Science: Honours Specialization in Computer Science, Minor in Mathematics

Relevant Coursework: Machine Learning/AI, Operating Systems, Computer Networks, Parallel and Distributed Computing, Databases, Calculus, Linear Algebra, Probability and Statistics