

Ali Firas Mecheri

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EDUCATION

Bachelor of Science in Computer Science

2019 - 2022

Ammar Theliji | Laghouat, Algeria

- Overall Mark 14.52/20.
- Course Information: Advanced Algorithms and Data Structures, Database Management Systems, Object-Oriented Programming, Software Engineering, Network Security.

Computer Engineering Technology - Computing Science,

2023 - Present

Algonquin College | Ottawa, Ontario

- GPA 3.5 / 4.0
- Course Information: Network Programming, Object-Oriented Programming (Java), Database (SQL), Operating Systems Fundamentals (Linux, Windows), Data Structures, Processor Architecture, Web Development

PROGRAM - RELATED SKILLS

Programming Languages:

- Proficient in Java, C/C++, JavaScript, shell scripting,
- Familiar with Ruby, Swift, and PHP.

Web Development:

- Frontend: HTML, CSS, JavaScript, React, Angular.
- Backend: Node.js.

Database Management:

- Experienced in SQL databases, including MySQL, and PostgreSQL.
- Database design and optimization

Object-Oriented Programming (OOP):

- Strong understanding and application of OOP principles.
- Design patterns and software architecture.

Data Structures and Algorithms:

- Proficiency in data structure implementations and algorithm design.
- Problem-solving and algorithmic thinking.

ADDITIONAL QUALIFICATIONS

- Proficient in programming languages such as JavaScript, Java, C/C++, and shell Scripting and experienced in developing web applications.

- Strong understanding of algorithms and data structures, with the ability to analyze and optimize code for efficiency.
- Continuous learning and self-improvement mindset, keeping up to date with the latest industry trends and technologies.
- Fluency in three languages (Trilingual: Arabic, French, English) showcasing excellent communication and collaboration skills that enable effective interaction with cross-functional teams and stakeholders.
- Adaptable and quick learner in technology-driven environments.

Computer Engineering Tech. Projects

Blockchain Implementation in Java (Course Project)

- Developed a blockchain system using Java, demonstrating a deep understanding of distributed ledger technology and cryptographic principles.
- Implemented features such as transaction verification, consensus algorithms, and mining.

Desktop Application for Managing Laboratories in a University (Java)

- Developed a Java-based desktop application to streamline the management of professors' research projects within the university.
- Implemented a user-friendly interface for adding, editing, and organizing research projects.
- Utilized Java's graphical user interface (GUI) libraries for an intuitive user experience.

Web-Based E-Commerce Application (Shopify-like)

- Designed and built a full-stack web application like Shopify.
- Utilized MySQL for backend data management, JavaScript for dynamic functionality, and HTML/CSS for frontend user interface.
- Implemented user authentication, product catalog, shopping cart.

REFERENCES

- **Zeggan Lakhdar – University of Ammar Theliji Full-Time Professor**
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- **Prof. James Mwangi PhD. - Algonquin College Full-Time Professor**
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