

Mohammed Arab

arab0033@algonquinlive.com

[LinkedIn](#) | [GitHub](#)

Education

Algonquin College, Ottawa, Ontario.

- Diploma in Computer Programming (CO-OP) (3 years), May 2021 – Present

University of Ottawa, Ottawa, Ontario.

- Bachelor's Degree in Health Sciences (4 years), September 2017 – April 2021
 - Deans Honour List, 2017-2021
 - *Summa Cum Laude*
 - Graduating GPA 9.31 / 10.0

St. Matthew Catholic High School, Orleans, Ontario.

- Graduated 2017 with Ontario Scholar, Honour Roll and French Immersion Certificate.

Program-Related Skills

Programming Languages: Java, Python, SQL, HTML, CSS, JavaScript, Bash/Shell

Operating Systems: Windows XP/Vista/7/8/10, Linux, Mac OS

Database Management Systems: PostgreSQL, MS Access, MySQL, Microsoft SQL server, Oracle

Software Tools: Eclipse, Visual Studio Code, MySQL Workbench, VMWare Workstation, XAMPP, Microsoft Office, PgAdmin, PgModeler, Git/Github, JUnit Testing.

- Generated, tested, and maintained Java programs using Object-Oriented Methods with the ability to debug problems via manual techniques and program tools
- Created and manipulated well-designed database objects using SQL commands
- Demonstrated thorough theoretical and practical understanding of Operating System Fundamentals
- Acquired strong technical communication skills used to prepare detailed reports and give effective presentations through academic experience at the University of Ottawa and Algonquin College, along with volunteering experience

Additional Qualifications

- Finely honed communication and presentation skills with both supervisors and team members resulting from multiple years of academic, work and volunteer experience.
- Ability to be a leader whilst learning from team members and listening to their ideas, as demonstrated by leadership roles through work experience and while volunteering, as well as leadership certificate.
- Refined attention to detail and problem-solving skills resulting from conducting personal and professional projects requiring innovative thinking and creativity for solving.
- Can work excellently in a team environment, with experience in conflict resolution and well-developed time management / discipline skills.
- Proficient in English, French and Arabic

Experience

University of Ottawa Microbiology Laboratory (July 2017-August 2019)

Laboratory / Research Assistant

- Worked with a team of graduate and post-doctorate students to help them complete their experimental projects.
- Conducted an academic research project looking at the effects of mutagenesis of specific mutations on bacteria *Pseudomonas fluorescens*
- Completed work while adhering to applicable health and safety regulations and best practices.

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- WHMIS and lab safety training completed.
 - Developed experience reading and analyzing scientific articles.
 - Refined critical thinking and problem-solving skills used in troubleshooting any research error.
 - Sterilized material through autoclave cycles, diluted and plated bacteria for growth, counted bacterial colonies, made different types of mediums on which bacteria grow.
 - Effectively communicated with team to ensure efficient and quick work in order to finish projects under time constraint.
 - Performed calculations to ensure successful dilutions and optimal bacterial growth.
 - Learned and performed various lab techniques such as primer construction, polymerase chain reaction, gel electrophoresis, ligation, transformation and mating reactions, data analysis.
 - Developed time management skills around autoclave cycles.

Prince Gourmet Fast Food Shawarma (June 2013 – April 2017)

Cashier and Cook

- Worked while adhering to kitchen health and safety guidelines.
- Developed ability to work well under stressful conditions.
- Developed fluent communication, listening and customer service skills.
- Learned to multitask in busy situations.

Volunteer and Extracurricular Experience

Ronald McDonald House Charities (September 2019 – April 2020)

Family Room Manager

- Worked alone or with a partner to manage 2 family rooms in weekly shifts of 5 hours.
- Provided service and comfort to parents and children in need.
- Developed a great sense of empathy and professional communication, along with great listening skills.

Let's talk science (September 2019 – January 2020)

Classroom presenter

- Performed presentations and fun activities with 6th grade students regarding space exploration to broaden the students' understanding of science and space in particular.
- Refined communication skills to effectively convey ideas to individuals of all ages, learning how to turn complex ideas into simple concepts.
- Learned effective presentation techniques.

Al-Mahdi Community Center (October 2018 - Present)

Meeting Organizer / Sound Manager

- Help arrange and consistently attend weekly meetings discussing philosophy / Islamic theology / Islamic living in contemporary society.
- In charge of running the sound system during community meetings.
- Help organize and set-up online book-club for community members.
- Refined critical thinking skills to understand abstract philosophical notions.
- Refined management skills to help setup the meetings.
- Developed sense of leadership as an active member of the community.

Certifications / Training

- CPR level 'C' certificate
- First aid certification complete
- French immersion certificate
- Tri-Council ethics certificate
- Leadership certificate level 1

