

Jalal Mourad

Canadian Citizen
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CONTACT

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HOBBIES

- Tennis
- Volleyball
- Soccer
- Ping pong

EDUCATION

Carleton University, Ottawa, Canada

Bachelor of Engineering, Software Engineer

September 2020 – Present

- GPA: 10.0 (A)
- Honors: Dean's List student
- Expected Graduation April 2025

WORK EXPERIENCE

Department of National Defense, Ottawa, ON

Naval Material Technology Developer

Jun 2024 – Sep 2024

- Testing and evaluating newly acquired technologies for the Royal Canadian Navy
- Developing a mini radar system using Raspberry Pi technology, including designing hardware components, programming software for signal processing, and conducting comprehensive testing to ensure optimal performance and accuracy
- Testing the HoloLens for ship purposes, assessing its capabilities for enhanced operational efficiency and training applications
- Implementing and testing a digital twin program for the digitization of navy ships
- Collaborating with multidisciplinary teams to integrate and assess advanced naval technologies
- Conducting performance analysis and providing technical recommendations for technology enhancements
- Assisting in the development of technical documentation and reports for ongoing projects

Ross Video, Ottawa, ON

Software Engineer Intern - Test Automation (Inception)

Sep 2023 – Dec 2023

- Collaborated with the development team to integrate APIs into the Inception project, enhancing its functionality and connectivity with external services.
- Conducted comprehensive testing on mobile platforms to ensure the seamless performance of Inception's mobile applications, identifying and resolving issues to improve user experience.
- Embraced agile development methodologies, actively participating in sprint planning, daily stand-ups, and retrospectives to enhance project efficiency and collaboration among team members.

Ford of Canada, Ottawa, ON

Software Engineer Intern - Test Automation

Jan 2023 – Sep 2023

- Used Jenkins to schedule and run builds, identifying failed runs, tracking root causes and stability of the ECUs, and making necessary code changes to resolve issues using Python.
- Used TestRail to manage, track, and organize software testing efforts, including entering test cases, organizing test suites, executing test runs, and tracking results.

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- Utilizing GIT (GitHub) for version control, enabling collaboration with team members to make necessary software changes.
- Used Jira to open and track defects to resolution.
- Demonstrated proficiency in utilizing agile methodology to effectively create, assign, and track tasks.
- Implemented bug fixes using Groovy to ensure software functionality and prevent production issues.

Vidkonn, Ottawa, ON

Software Engineer Intern

Jun 2021 – Aug 2021

- Helped implement some of the ui pages using React.
- Used version control tools to review codes and make pull requests, such as GitHub.
- Was part of a small team of developers that worked on JAVA enhancement features for the back end.

SUMMARY OF ACQUIRED KNOWLEDGE

TECHNICAL SKILLS

- Programming Languages: Python, Java, C, MATLAB, SQL
- Web Development: HTML and CSS
- Version Control: GitHub and Bitbucket
- Test Automation tools: Testrail and Jenkins
- Well versed object-oriented programming and data structures following software design patterns.

KNOWLEDGE AREA

- Expertise in test automation, utilizing Jenkins and TestRail for efficient and effective software testing efforts.
- Skilled in troubleshooting and debugging software issues using various tools and techniques, including log analysis.
- Experience in Agile and Scrum methodologies, with a strong focus on collaboration and communication within cross-functional teams.

References available upon request.