

Abdulla Arid

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EDUCATION

Bachelor of Engineering, Computer Systems Engineering (Co-op)

Sept 2021 – Present

Carleton University, Ottawa, ON

- Scholarships: Horatio Alger Association Scholarship, Walmart Scholarship, Entrance Scholarship
- Expected graduation date: April 2026

Availability: Available for 4 months beginning May 2025

SKILLS/TECHNOLOGIES

- **Programming:** Python, C, Java, VBA, Powershell
- **Version Control Tools:** Git, GitLab, Azure DevOps
- **Libraries:** Selenium, OpenCV, EasyOcr, Concurrent Futures
- **Technologies:** Microsoft Power Automate, UiPath

WORK EXPERIENCE

5G Software Developer, Ericsson Inc. , Ottawa, ON

Jan 2024 – Present

- Developed a 5G NR Resource Grid User Interface that allows users to view the channels being used in a specific 5G test case based on a frequency or block sizes
- Genericized Ericsson's 5G Testing modules to allow scalability and reusability within teams
- Analyzed test cases to verify functionality and ensure optimal performance

Developer, Department of Justice, Ottawa, ON

Sept 2022 – Dec 2023

- Worked on the development of a project utilizing **regex**, **Pytesseract**, **EasyOCR**, and **OpenCV** to extract complex information from PDF documents and compile them into a structured CSV format
- Incorporated **multithreading** through **concurrent futures** and **multiprocessing** to significantly accelerate the data extraction process, improving processing speed by over **40%**
- Employed version control tools such as **GIT** to manage codebase changes and collaborate effectively with team members; participated in weekly scrums
- Developed rapid proof of concepts using **Power Automate** and **UiPath** to showcase the feasibility and potential benefits of each platform, helping our team decide on a platform

E-Commerce & Salesfloor, Walmart Canada, Ottawa, ON

Nov 2020 – Sept 2021

- Assisted customers over the phone and cash to provide a satisfactory customer experience
- Greeted customers and directed them to specific departments around the store

Camp Counsellor, Winners Day Camp, Ottawa, ON

July 2021 – Aug 2021

- Worked with the site coordinator to plan and implement fun, educational and skill developing activities
- Collaborated with caregivers to gain an understanding of the needs of each child assigned to my supervision

APPLIED PROJECTS

Automated Room Booking System

Aug 2023 – Aug 2023

- Developed a **Python** script with the **Selenium** library to build an automated solution for the university room booking process, making weekly reservations seamless and significantly boosting productivity

Book Management System, Team Lead, Carleton University

Nov 2021 – Dec 2021

- Worked in a group to design and implement a **Python** system that sorts, modifies, and searches through a CSV file
- Tested the program using **unit testing** to ensure the program was problem-free

Minesweeper

Mar 2020 – Apr 2020

- Used **Python** to develop a version of Minesweeper using the **PyGame** module
- Debugged code to ensure that the game contains no bugs and runs efficiently

RESEARCH PROJECTS

Research Project on Drone, Team Lead, Carleton University

Sept 2022 – Dec 2022

- Wrote a technical report on the topic of Drones for Forest Fire Monitoring in a way that it could be read and interpreted by both technical and non-technical readers
- Researched how a GPS-equipped drone could provide navigation for forest fire de-escalation