

# Ashraf Abdel-hadi

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Waterloo, ON

## Profile

Master's in Computer Science student at University of Waterloo, well-organized and efficient, quick in learning new methods and procedures, can work effectively under pressure, able to handle multiple tasks and a good team player with excellent communication skills.

## Education

- *Master's in Computer Science*, University of Waterloo (Sept 2019 – May 2022,)  
Current GPA: 89.2% (A)  
Member of Waterloo Advanced Systems Lab under the supervision of Prof. Samer Al-Kiswany
- *BSc in Computer Engineering*, Jordan University of Science and Technology (Sept 2016 – Jan 2019,)  
GPA: 3.88/4.2 (Excellent) – Graduated first of class with honour status  
BSc Graduation Project: Traffic Violation Detection System for One Way Roads, which detects vehicles wrong-way driving using image/video processing (utilizing Raspberry Pi).

## Awards

- **Sept 2019 – April 2021** International Master's Award of Excellence
- **Jan 2017 – Jan 2019** Student Support fund Grant, Ministry of Higher Education & Scientific Research
- **Sept 2016 – Jan 2019** Honorary Student for Academic excellence.
- **Aug 2013** Jubilee School Grant learn German program (Deutsch Für Jugendliche) to study German in Germany for 21 days in sankt peter ording.

## Experience

### **Sept 2019 – May 2022 - Research Assistant, CS, University of Waterloo.**

Leveraging recent advances in hardware technologies (Programmable Switches) to build efficient scheduling policies that achieve low latencies for jobs with small tasks (under 1ms).

### **June 2018 – Sept 2018 - Software Engineer Intern, STS Amman Jordan.**

I was assigned to train in the automation department which was responsible for all the software and hardware the company used. Helped with the deployment of a new ID cards access Systems for the company and with installing a Synology backup Disk Station.

### **July 2012 – August 2012 - Umniah Summer internship program.**

Participated in Umniah summer internship program between Umniah Mobile Company Jordan and the Jubilee School to help Retail Sales division with the deployment of 3G+ and Customer service.

## Publications

- **Falcon - Low Latency Network Accelerated Scheduling**

Ibrahim Kettaneh, Sreeharsha Udayashankar, Ashraf Abdel-hadi, Robin Grosman, Samer Al-Kiswany  
P4 Workshop in Europe (EuroP4), Dec. 2020 [\[PDF\]](#)

## Skills

- **Programming languages:** Python, C++, C, C#, and Java.
- **Web programing:** HTML, PHP, CSS, JQuery, BootStrap, SQL, and ASP.NET.
- **Hardware programming and tools:** ISE, Verilog, and Assembly.
- **Database programming:** Microsoft SQL Server Management studio, and MySQL
- **Data analytics tools:** Spark.
- **Network Acceleration:** DPDK.
- **Switch programming:** P4 (attended the Barefoot Academy Barefoot Academy course – BA102.
- **Programming imbedded systems** Arduino and Raspberry Pi

## Volunteering

- Jordanian Meningitis Centre:  
Volunteered to help with caring for meningitis patients and sterilizing their common areas.
- Al Hussein Society, for people with disabilities: Volunteered to care for children with disabilities.
- Jordan River Foundation – Protect the children program: Helped renovate and clean public schools for the less fortunate.