

MAHDI AKIL

BASIC INFORMATION

Mossgatan 81, Karlstad, Sweden
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QUALIFICATIONS

- Solid background in mathematics, analysis and problem-solving
- Fluent in several programming languages including: Python and javascript
- Knowledge of research methodologies
- Writing and presenting

EDUCATION

Phd Student

February 2019 – Present

Karlstad University

- Research in applied cryptography for vehicular networks
- Applying crypto models in smart environments
- Assistant teacher:
- Computer Security I
- Computer Security II
- Operating Systems
- Ethical Hacking course

Masters Degree in Networks and Security

September 2015 – July 2018

Sapienza Università di Roma

- Built innovative data exfiltration techniques
- Took part in multiple projects concerning web and application security
- Developed an IOS app to detect earthquakes for the university (Seismobeacon)
- Created numerous applications in Biometric systems and multimodal interaction

Bachelor Degree in Computer Science

june 2011 – June 2015

Lebanese International University

- Graduated top 10% of my class
- Developed an e-learning website
- Engaged in various software and web application projects

PUBLICATIONS AND DISSERTATIONS

First author of multiple publications in peer-reviewed journals:

- Non-Interactive Privacy-Preserving Sybil-Free Authentication Scheme in VANETs (Published 2023)
- A Privacy-Preserving Approach to Vehicle Renting and Driver Accountability in VANETs (Submitted 2023)
- On-Campus HandsOn Ethical Hacking Course: Design, Deployment and Lessons Learned (Published 2023)
- Stakeholder perspectives and requirements on cybersecurity in Europe (published 2021)
- Privacy-Preserving Identifiers for IoT: A Systematic Literature Review (Published 2020)

- Multi Covert Channel Attack in the Cloud (Published 2019)
- Master Thesis: Multi-Covert Channel Exfiltration Techniques
Bachelor Thesis: E-Learning Communication Organizational System

LANGUAGES

- English: Excellent
- Arabic: Native
- Swedish: Basic
- Italian: Basic