

ASBAT EL KHAIRI | RESUME

Summary

A double Master degree holder in Computer Science and an enthusiastic, adaptive, and fast-learning person with an acute interest in Information Security.

My primary research interest is on utilizing machine learning techniques and algorithms within the domains of Malware Analysis, Phishing, and Network Security. I am also interested in Vulnerability Analysis and its related topics e.g. open-source vulnerabilities identification, CVE categorization, et cetera.



Experience

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| 2019 / 07 | Working Student: Cyber Security Analyst - Present | Siemens - Munich |
| | <ul style="list-style-type: none"> › Analyze and evaluate security vulnerabilities in third-party software › Identify and research third-party components used in Siemens products and solutions | |
| 2018 - 2019 | Working Student: IT Security Operations - 8 mos | Mozaik - Munich |
| | <ul style="list-style-type: none"> › Assessed network and infrastructure requirements and provided solutions › Performed intrusion detection and incident management | |
| 2018 - 2019 | IDP Student: Android Developer - 6 mos | RideBee - Munich |
| | <ul style="list-style-type: none"> › Developed RideBee Android application › Integrated Google Analytics | |
| 2017 - 2018 | Working Student: Analytics Developer - 8 mos | CHECK24 - Munich |
| | <ul style="list-style-type: none"> › Configured, and supported analytics integrations with websites and mobile applications › Fixed front-end bugs | |
| 2016 | Internship: IT Security Operations - 3 mos | Ministry (MEF) - Rabat |
| | <ul style="list-style-type: none"> › Assisted in security operations (assessments, reporting, and incident response) › Performed a comparative study of different types of Web Application Firewalls | |

Education

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| 2017 - 2020 | M.Sc. Informatics - Distinction | Technical University of Munich |
| | <ul style="list-style-type: none"> › Distributed Systems, Networks and Security › Software Engineering | |
| 2016 - 2017 | M.Sc. Computer Science - Distinction | Al Akhawayn University - Morocco |
| | <ul style="list-style-type: none"> › Information Systems Security › Software Engineering | |
| 2012 - 2015 | B.Sc. Computer Science - Cum Laude | Al Akhawayn University - Morocco |
| | <ul style="list-style-type: none"> › Major: Computer Science › Minor: Business Administration | |

»» Skills

- » **Programming Languages:** C, C++, Java, Python, JavaScript, React.js, Node.js, PHP
- » **Database Systems:** MySQL, SQLite, MongoDB
- » **Industry Knowledge:** Machine Learning, NLP, System Administration, Information Security
- » **Other Skills:** Malware Analysis, Android Security, Web Security, Vulnerability Analysis, Reverse Engineering
- » **Languages:** Arabic, English, French, German (A2)

»» Projects

2019 - 2020	Master Thesis	See Description
	» Topic: Layered Android Malware Detection Using Program Dependence Graph Embedding and Manifest Features	
2019	Anti-Phishing Awareness + 10,000 users	See Project
	» An Android application that involves two services: Anti-phishing serious game and Phishing scanner (VirusTotalAPI-based)	
2019	AndroSa	See Project
	» A framework meant to apply static analysis and detection of Android malware based on a feature set containing the Manifest attributes and API calls.	
2019	PhishCatch	See Project
	» A framework meant to apply analysis and detection of phishing URLs using Ensemble Learning	
2019	ExpoDroid	See Project
	» A Hook-based Android Malware Scanner based on Xposed framework and VirusTotal API.	
2018	Whack-A-Droid	See Project
	» An Android application that implements the Tapjacking Attack.	