

AGHILES DJOUDI

Network Security Engineer

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Paris, FR



EXPERIENCES

Engineering Research: Privacy assessment in social networks

University: Sorbonne University

Jan 2018 - Dec 2018 Paris, FR

- Study the state of the art of users privacy assessment in social networks.
- Classify users privacy leakage through technical, social and behavioral threats.
- Build an intelligent framework based on a contagion process to estimate the level of social privacy.

Research internship: Vehicle to Pedestrian communication V2P

Engineering school: Institute of Automotive and Transport Engineering (ISAT)

Mar 2017 - Jul 2017 Nevers, FR

- Simulate road traffic with SUMO and vehicular communications with NS3
- Build a mobile application (Android) to avoid Pedestrian Accidents
- Compare the PDR & RTD of WIFI and LTE networks on the application.

Mobile Development project: Data Mining & Deep Learning.

University: Pierre and Marie Curie University (UPMC)

Oct 2017 - Dec 2017 Paris, FR

UPMC and the Macao Institute have developed pollution sensors.

- Design a mobile application to operate the pollution data.
- Build a supervised learning model with Keras (Python) for pollution prediction.
- Analyze, represent and display the results on a mobile application.

Internship: Internet traffic engineering.

Company: SONATRACH

Jun 2015 - Aug 2015 Algiers, DZ

- Configure IPv4, IPv6 routing and inter VLAN routing (Cisco Routers).
- Manage ACLs and improve traffic using QoS techniques.
- Monitor network functions with Syslog and NetFlow.

PROJECTS & WORKS

Research project: Security of SDN

- Understand current networks limitations. Study the state of the art.
- Become familiar with OpenFlow and understand the difficulties of NFV.

Research project: Intelligent intrusion detection system.

- Compare the network behavior in the presence and the absence of an attack.
- Build a supervised model and write a Latex research paper (methodology).

Technical project: Wireless video transmission.

- Configure an ad-hoc network between four Raspberry pi.
- Generate video traffic and control throughput, delay, jitter, and loss rate.

Technical project: Distributed computing client-server software.

Technical project: Secure client-server software with PKI.

MODELING

- Temporal logic (LTL & CTL)
- Deterministic & probabilistic automata
- Graph theory
- Game & Queueing theory
- Discrete & Continuous time Markov chain
- Supervised and unsupervised learning

PROGRAMMING

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|------------------|--------------|
| • Mobile: | Android |
| • Software: | Java, C++, C |
| • Data analysis: | R, Python |
| • Web: | PHP, HTML |
| • Script: | Shell, Perl |
| • Document: | Latex |

EDUCATION

Ph.D.: Smart cities & Internet of things

Paris-Est University (UPE) / ESIEE school

2019 - 2022 Marne-la-Vallée, FR

Master degree in Computer Networks

Sorbonne University & Télécom ParisTech School

2015 - 2017 Paris, FR

Bachelor degree in Computer Science

Houari-Boumediène University (USTHB)

2012 - 2015 Algiers, DZ

CERTIFICATION

Cisco Certified Network Associate.

EL YACINE school

August 2016 - August 2019

LANGUAGES

English
French
Kabyle



MISCELLANEOUS

Brevet national de sécurité et de sauvetage aquatique (BNSSA) Paris, FR