

# AGHILES DJOUDI

## Network Security Engineer

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Paris, FR



## EXPERIENCES

### Engineering Research: Privacy assessment in social networks

University: Sorbonne University

Dec 2017 - Nov 2018 Paris, FR

- Study the state of the art of user privacy assessment in social networks.
- Detect technical, social and behavioral threats.
- Build an intelligent framework to estimate the level of privacy.

### Engineering research: Vehicle to Pedestrian communication V2P

Engineering school: Institute Superior of Automobile and Transports (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 quality of service of WIFI and LTE networks on the application.

### Mobile Development: Data Mining & Deep Learning.

University: Pierre and Marie Curie University (UPMC)

May 2016 - Jul 2016 Paris, FR

- UPMC and the Macao Institute have developed pollution sensors.
- Design a mobile application to operate the sensor network.
- Build an unsupervised model for pollution prediction.
- Analyze, represent and display the correlations between the results.

### Network management.

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.

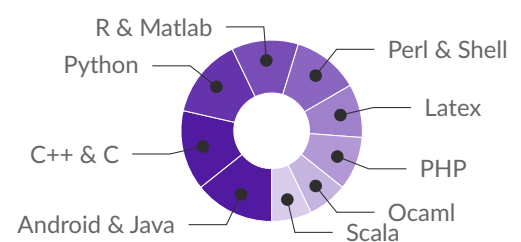
### Technical project: Distributed computing client-server software.

### Technical project: Secure client-server software with PKI.

## MODELING

- Mathematical & Temporal logic (LTL, CTL)
- Deterministic & probabilistic automata
- Theory of languages and graphs
- Game & Queueing theory
- Discrete & Continuous time Markov chain
- Unified Modeling Language (UML)
- Supervised and unsupervised modeling

## PROGRAMMING



## EDUCATION

### Master 2 in Network Security

Pierre and Marie Curie University (UPMC) & Télécom ParisTech School

2016 - 2017 Paris, FR

### Master 1 in Computer Security

Paris-Est Créteil University (UPEC)

2015 - 2016 Paris, FR

### Computer Science Licence

Sciences and Technology Houari-Boumediène University (USTHB)

2012 - 2015 Algiers, DZ

## CERTIFICATION

### Cisco Certified Network Associate.

EL YACINE school

August 2016 - August 2019

## LANGUAGES

English  
French  
Arabic



## MISCELLANEOUS

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