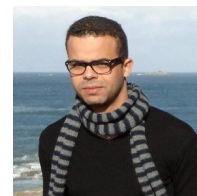**Amine SEMMA**
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Email: amine.semma@eurecom.fr
Phone : (33) 668425502

3rd YEAR OF COMPUTER SCIENCE, INFORMATION TECHNOLOGY AND COMMUNICATION SYSTEMS SECURITY ENGINEERING AT EURECOM – TELECOM BRETAGNE

CURRICULUM

2015-2016: Engineering in Communication Systems Security and Computer Science at **Eurecom**
2012-2014: Engineering in Information Technology at **Telecom Bretagne**
2010-2012: Highly Selective Classes to Prepare for the Competitive Exams to the Grandes Ecoles

PROFESSIONAL EXPERIENCE

2016: 6 Months Internship at Société Générale
- **Project:** "Search, Evaluation, Audit and Deployment of Innovative Solutions for Information Systems Security in the Banking Sector"
  - Mobility and BYOD
  - Cloud and Big Data
  - IAM: Identity and Access Management
  - Data Bases and NetworkVirtualization

2015: Eurecom
- **Project:** "Cryptographic Techniques for Verifiable Computation in the Cloud"
  - Implementation of a Cryptographic Verification Schema for Outsourced Computations in the Cloud – European Project TREDISEC
- **Project**: "Traffic Signs Recognition with Machine Learning Techniques – Software and Hardware Design and Implementation"

2014: 1 Year Internship at EMC SatCom Norway
- **Project:** "Proposition, Implementation and Deployment of a Solution Against Erasures over IP Layer for Satellite Communications" – Software and Hardware Design, Implementation and Deployment.

2013: Telecom Bretagne
- **Award:** Selected in the IEEE Student Paper Contest in Europe, Middle East and Africa, "Rumors Spreading over Social Network", tutoring by McGill University, Canada
- **Innovation challenge:** "E-packet: A Smart Cigarette Packet Synchronized with an Android Application"
- **Project:** "Implementation and Optimization of Precoded Turbocodes"

SKILLS

- **Programming**
  - C/C+, Java, Python, SQL, SPARQL, Pig, Hadoop, Vhdl, Matlab.
- **Data Science**
  - Distributed Systems and Cloud Computing, Machine Learning, Web Semantics
  - Statistical Signal Processing, Stochastic Processes analysis, Game Theory
- **Information Systems Security**
  - Cryptography and Secure Communications, System and Network Security
  - Security Applications in Networking and Distributed Systems
  - Cyber-Crime and Computer Forensics
  - Imaging for Security Applications, Watermarking and Biometrics
- **Miscellaneous**
  - Digital Systems Design, Computer Networks and Internet, Global Projects Management (Certificate), Business Management (1st Place in Intopia Challenge), Networks Economics
- **Languages**
  - English: *Professional level*, French: *Bilingual*, Arabic: *Native speaker*, Spanish: *Intermediate*

ADDITIONAL INFORMATION

- **Eurecom BDE:** Vice President
- **Singing and Percussion, Basket-Ball**