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EDUCATION

- **Technische Universität München** *Ph.D. Candidate*
Munich, Germany 07.2023 - today
System Security for Heterogeneous Computing
Funding: Huawei Munich Research Center
- **Institut Supérieur de l'Aéronautique et de l'Espace** *Master's Degree (Diplôme d'ingénieur)*
10 Av. Edouard Belin, 31400 Toulouse, France 09.2018 - 10.2022
Math and Informatique - CGPA/Percentage: 3.96/4.3
Final thesis: Security for Distributed Motion Detection Machine Learning (09.2022 - Grade: 18/20)
- **École polytechnique fédérale de Lausanne (EPFL)** *Master Exchange Program*
Écublens, Canton of Vaud, Switzerland 02.2020 - 08.2020
Computer Science
- **Institut Polytechnique de Paris** *Master's Degree (M.Sc.)*
Rte de Saclay, 91120 Palaiseau, France 09.2020 - 10.2021
Cyber-Physical Systems - CGPA/Percentage: A-
Final thesis : Optimal Synthesis of Smart Contract/Michelson Bytecode (09.2021 - Grade: B)
- **Southeast University** *Bachelor of Engineering*
2 Rue Dong Nan Da Xue, 211189 Nanjing, China 09.2014 - 07.2018
Energy and Environment Engineering - CGPA/Percentage: 3.69/4
Final thesis/Graduation Project : Improvement of Bio-char (06.2018 - Grade: A)

PROFESSIONAL EXPERIENCE

- **Murex** *C++ Software Developer (Full-time job)*
15 Bd de l'Amiral Bruix, 75116 Paris, France 12.2022 - 04.2023
 - C++ development and invention for software Murex, collaborating with other software engineers
 - Check programming bugs and fix issues from clients, maintaining critical functionalities of the transition system.
- **SAP Labs France** *Security Research Intern (Full-time internship)*
805 Avenue du Dr Donat - Font de l'Orme, 06259 Mougins, France 04.2022 - 10.2022
 - Study the implementations of Graph Convolutional Network (e.g. ST-GCN) and ensure the model IP and data privacy
 - Combine TEEs and cryptographic methods and generate one general protection mechanism for systems using distributed machine learning.
- **Nomadic Labs** *Blockchain Research Intern (Full-time internship)*
25 Rue De Tolbiac, 25-27, 75013 Paris, France 03.2021 - 09.2021
 - Use meta-heuristics to guide the search on bytecode/program and rewrite Michelson programs optimized in terms of gas consumed
 - Check the semantic equivalence of the obtained programs by Z3 solver using Translation Validation method

PUBLISHED PAPERS

- **Security for Distributed Machine Learning** *05/2023*
Published a scientific paper in conference SECRYPT'23 (supervised by Dr. Laurent Gomez)

ADVIORS IN GERMANY FOR CURRENT RESEARCH

- **Silviu Vlasceanu** Huawei Technologies *Senior Technical Expert*
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- **Prof. Dr. Pramod Bhatia** Technical University of Munich *Full Professor and Chair*
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