

EDUCATION

- **University of Rennes 1 & ENS Rennes** Rennes, France
MSc (2nd yr) in Computer Science, research track [60 ECTS, GPA: 11.569/20, Rank: NA/45] 2017–2018
- **University of Rennes 1 & ENS Rennes** Rennes, France
MSc (1st yr) in Computer Science, research track [74 ECTS, GPA: 12.94/20, Rank: 15/18] 2016–2017
- **University of Rennes 1 & ENS Rennes** Rennes, France
BSc (3rd yr) in Computer Science, research track [66 ECTS, GPA: 10.956/20, Rank: 17/20] 2015–2016
- **École normale supérieure of Rennes** Rennes, France
Magistère in Computer Science, research training (lectures, reading sessions, lab visits, group projects) 2015–2018
- **University of Caen** Caen, France
BSc (1st&2nd yr) in Computer Science [120 ECTS, GPA: 17.79/20, Rank: 1/157] 2013–2015

EXPERIENCE

- **Spruce Systems** (Remote) London, United-Kingdom
Software Engineer September 2020–Present
 -
- **Nexmo** London, United-Kingdom
Software Developer in Test November 2018–October 2020
 - **Voice API:** member of the Real-Time Communication stack.
 - **Testing:** maintenance of the test suite (e.g. abstraction and generation of tests, parallelisation).
 - **Monitoring:** facilitate incident impact measurement, track API usage, alerting (pushed for on-call).
 - **Investigations:** understanding test failures or abnormal behaviours across the services.
 - **Development:** built a rating engine, refactored cluster management, various internal changes in services.
 - **DevOps:** AWS migration, maintenance of on-demand test environments (e.g. dockerise services, debugging).
- **KTH** Stockholm, Sweden
Research Intern February 2018–June 2018
 - **Adaptation of Amplified Unit Tests for Human Comprehension:** Generating natural language explanations for Java unit tests generated by DSpot.
 - **Supervisors:** Benoit Baudry & Martin Monperrus (SCS & TCS Departements)
- **KAIST** Daejeon, South-Korea
Research Intern March 2017–August 2017
 - **Automated Test Data Generation for Dynamically Typed Programming Languages:** Survey on Test Data Generation from scratch for dynamic languages such as Python.
 - **Supervisor:** Shin Yoo (COINSE Lab)
- **University of Rennes 1 & IRISA** Rennes, France
Student (Group project) September 2016–April 2017
 - **Evaluating UPMEM, a low-level parallel Processing-in-Memory architecture, using the k-means algorithm**
 - **Supervisor:** Dominique Lavenier (GenScale research group)
 - Presented at HiPEAC'17 Student Heterogeneous Programming Challenge.
- **IRISA & INRIA** Rennes, France
Research Intern May 2016–July 2016
 - **Specifying the Experimental Scenarios for Simulated Cloud Studies:** Designing an API for SimGrid, a distributed systems simulator, targeting researchers' needs for cloud simulations.
 - **Supervisors:** Martin Quinson & Anne-Cécile Orgerie (Myriads research group)
- **University of Caen** Caen, France
Student (Group project) September 2014–May 2015
 - **Building the best ships for the video-game Faster Than Light:** Wrote a simulator to automate fights; used Genetic Algorithms and Data Mining.
 - **Supervisor:** Jean-Philippe Métivier

SKILLS

- **Languages:** Rust, Go, Python, C, C++, Java, Coq, Vimscrip, OCaml, Haskell, Scala, SQL
- **Libraries:** Clang AST, ast.py, CPython, Spoon, WALA slicing, CUDA, MPI, OpenMP, ANTLR3, Xtext, Flex/Bison, NumPy, Hadoop
- **Testing:** Pytest, _Unit, Jacoco, unittest.mock, Pitest
- **Automation:** Docker, Puppet, Terraform, Nomad, Consul, Make
- **Continuous Integration:** Jenkins, Travis, SonarCloud
- **Monitoring:** Grafana, Prometheus, ELK Stack
- **Blockchain:** Tezos
- **VCS:** Git, Subversion
- **Platforms:** macOS, Linux
- **Office:** \LaTeX , LibreOffice

LANGUAGES

- **French:** Mother tongue
- **English:** Fluent (TOEIC L&R: 990 [March 14, 2017], IELTS: 8 R9L9W7S7 [June 1, 2018])

CERTIFICATIONS

- **Driving Licence**