

## 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:** Go, Python, Rust, C, C++, Java, Coq, Vimscript, 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, Make
- **Continuous Integration:** Jenkins, Travis, SonarCloud
- **Monitoring:** Grafana, Prometheus, ELK Stack
- **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**