

# Simon Bihel

simonbihel.me

simon.bihel@ens-rennes.fr

+33.6.84.57.38.21

## EDUCATION

---

- **University of Rennes 1 & ENS Rennes** Rennes, France  
*M.Sc. 2 in Computer Science, research track* 2017 – 2018
- **University of Rennes 1 & ENS Rennes** Rennes, France  
*M.Sc. 1 in Computer Science, research track [74 ECTS, GPA: 12.94/20, Rank: 15/18]* 2016 – 2017
- **École normale supérieure of Rennes** Rennes, France  
*Magistère in Computer Science, research training (lectures, reading sessions, lab visits, group projects)* 2015 – 2018
- **University of Rennes 1 & ENS Rennes** Rennes, France  
*B.Sc. in Computer Science, research track [66 ECTS, GPA: 10.956/20, Rank: 17/20]* 2015 – 2016
- **University of Caen** Caen, France  
*B.Sc. in Computer Science [120 ECTS, GPA: 17.79/20, Rank: 1/157]* 2013 – 2015

## EXPERIENCE

---

- **KTH** Stockholm, Sweden  
*Intern* February 2018 - June 2018
  - **Adaptation of Amplified Unit Tests for Human Comprehension:** Rendering generated tests by DSpot in a human-friendly way.
  - **Supervisor:** Benoit Baudry & Martin Monperrus (SCS & TCS Departements)
- **KAIST** Daejeon, South-Korea  
*Intern* March 2017 - August 2017
  - **Automated Test Data Generation for Dynamically Typed Programming Languages:** Survey on Test Data Generation from scratch for dynamic language such as Python.
  - **Supervisor:** Shin Yoo (COINSE Lab)
- **University of Rennes 1 & IRISA** Rennes, France  
*Student* September 2016 - April 2017
  - **Group project:** Evaluating UPMEM, a *Processing-in-Memory* architecture, using the *k-means* algorithm.
  - **Supervisor:** Dominique Lavenier (GenScale research group)
- **IRISA & INRIA** Rennes, France  
*Intern* May 2016 - July 2016
  - **Specifying the Experimental Scenarios for Simulated Cloud Studies:** Designing an API for SimGrid, a distributed system simulator, targeting researcher's needs for cloud simulations.
  - **Supervisors:** Martin Quinson & Anne-Cécile Orgerie (Myriads research group)

## SPOKEN LANGUAGES

---

- **French:** Mother tongue
- **English:** Fluent (TOEIC 990)
- **Korean:** Basic user

## COMPUTER SKILLS

---

- **Languages:** Python, C, C++, Java, Coq, VimscripT,  $\text{\LaTeX}$ , OCaml, Haskell, Scala, SQL, Go
- **Libraries:** Clang AST, ast.py, Spoon, Pitest, CUDA, MPI, OpenMP, NumPy, Hadoop
- **VCS:** Git, Subversion
- **Automation:** Make, Maven
- **Testing:** Jacoco, Junit
- **Platforms:** macOS, Linux

## CERTIFICATIONS

---

- **Driving Licence**