Simon Bihel

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EDUCATION

- **University of Rennes 1 & ENS Rennes** — Rennes, France
  MSc (2nd yr) in Computer Science, research track [30 ECTS, GPA: 10.853/20, Rank: TBD/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

- **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.
  - **Supervisors**: 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 languages 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)

- **University of Caen** — Caen, France
  Student — September 2014–May 2015
  - **Group project**: Building the Best Individuals in Faster Than Light using Genetic Algorithm and Data Mining
  - **Supervisors**: Jean-Philippe Métivier

COMPUTER SKILLS

- **Languages**: Python, C, C++, Java, Coq, Vimscript, LaTeX, OCaml, Haskell, Scala, SQL, Go
- **Libraries**: Clang AST, ast.py, CPython, Spoon, Pitest, WALA slicing, CUDA, MPI, OpenMP, ANTLR3, Xtext, Flex/Bison, NumPy, Hadoop
- **VCS**: Git, Subversion
- **Automation**: Make, Maven, SBT
- **Testing**: _Unit, Jacoco, unittest.mock
- **Platforms**: macOS, Linux

SPOKEN LANGUAGES

- **French**: Mother tongue
- **English**: Fluent (TOEIC Listening & Reading 990 [March 14, 2017])
- **Korean**: Basic user

CERTIFICATIONS

- **Driving Licence**