Simon Bihel

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EDUCATION

- **University of Rennes 1** — Rennes, France
  MSc in Computer Science, research track — *2016–2018*

- **École normale supérieure of Rennes** — Rennes, France
  Research training in Computer Science (lectures, reading sessions, lab visits, group projects) — *2015–2018*

- **University of Rennes 1** — Rennes, France
  BSc in Computer Science, research track — *2013–2016*

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)
  - Presented at HiPEAC'17 Student Heterogeneous Programming Challenge.

- **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.
  - **Supervisor**: Jean-Philippe Métivier

COMPUTER SKILLS

- **Languages**: Python, C, C++, Java, Coq, Vimscript, 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
- **Continuous Integration**: Travis, Coveralls, SonarQube
- **Platforms**: macOS, Linux
- **Office**: LaTeX, LibreOffice

SPOKEN LANGUAGES

- **French**: Mother tongue
- **English**: Fluent (TOEIC: 990, IELTS: 8)
- **Korean**: Basic user

Last updated on July 28, 2018