Simon Bihel

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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.
  - **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 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)

- **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, CUDA, MPI, OpenMP, NumPy, Hadoop
- **VCS**: Git, Subversion
- **Automation**: Make, Maven
- **Testing**: Jacoco, Junit
- **Platforms**: macOS, Linux

SPOKEN LANGUAGES

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

CERTIFICATIONS

- **Driving Licence**