Simon Bihel

simonbihel.me

simon.bihel@ens-rennes.fr

+33.6.84.57.38.21

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
- **Supervisor**: 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**