

Olivier Blanvillain

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EDUCATION	<p>2022: PhD in Computer Science at EPFL (expected)</p> <p>2015: EPFL Master's degree in Computer Science</p> <p>2012: EPFL Bachelor's degree in Computer Science</p> <p>2008: French Baccalaureate</p>
EXPERIENCE	<p>2016-2022: Doctoral Assistant at EPFL in the Programming Methods Laboratory under the supervision of Prof. Martin Odersky.</p> <ul style="list-style-type: none">• Co-designed, implemented and formalized match types, a new Scala feature for type-level computations.• Co-designed and prototyped a dependently typed extension of Scala based on singleton types.• Supervised several master student projects and worked as a teaching assistant for undergraduate courses (CS-210 and CS-206). <p>2015-2016: Software Engineer at MFG Labs (14 months).</p> <ul style="list-style-type: none">• Lead a team of 6 engineers working on an AdTech project.• Worked with Scala, Play, PostgreSQL, Spark, Elasticsearch, AWS. <p>2013: Software Engineer Intern at CERN (6 months).</p>
PUBLICATIONS	<p>O. Blanvillain, J. Brachthäuser, M. Kjaer, M. Odersky. Type-Level Programming with Match Types. In <i>Symposium on Principles of Programming Languages</i>, 2022 (POPL'22).</p> <p>M. Odersky, O. Blanvillain, F. Liu, A. Biboudis, H. Miller, S. Stucki. Simplicity: Foundations and Applications of Implicit Function Types. In <i>Symposium on Principles of Programming Languages</i>, 2018 (POPL'18).</p> <p>O. Blanvillain, N. Kasioumis, V. Banos. BlogForever Crawler: Techniques and Algorithms to Harvest Modern Weblogs. In <i>Proceedings of the 4th International Conference on Web Intelligence, Mining and Semantics</i>, 2014 (WIMS'14).</p>
PERSONAL	<p>Born on July 9, 1990 in Geneva, dual citizenship French-Swiss.</p> <p>Languages: French (mother tongue), English (C1/C2), Spanish (B2).</p> <p>Hobbies: Music (piano, drums and lots of listening), board games, cycling.</p>