

# PEDRO VALERO

## Personal Data

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PLACE AND DATE OF BIRTH: Spain | 10 July 1993  
ADDRESS: Madrid, Spain  
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WEBPAGE: <https://pevalme.github.io/>

## Publications

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SAS 2019 COMPLETE ABSTRACTIONS FOR CHECKING LANGUAGE INCLUSION  
*with Francesco Ranzato and Pierre Ganty*  
MFCS 2019 A CONGRUENCE-BASED PERSPECTIVE ON AUTOMATA MINIMIZATION ALGORITHMS  
*with Elena Gutiérrez and Pierre Ganty*  
DCC 2019 REGULAR EXPRESSION SEARCHING ON COMPRESSED TEXT  
*with Pierre Ganty*  
ATVA 2017 A LANGUAGE-THEORETIC VIEW ON NETWORK PROTOCOLS  
*with Pierre Ganty and Boris Köpf*

## Software

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HTTVALIDATOR: An input validator for HTTP messages that relies on recognizers for context-free and regular languages (implemented using Bison and Flex respectively) to perform the validation. Publicly available on [GitHub](#).  
ZSEARCH: A tool for regular expression searching on grammar-compressed text (implemented in C). Publicly available on [GitHub](#).

## Research Stays

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FEB-JUN 2018: Four months stay at Technische Universität München, in the Chair for Foundations of Software Reliability and Theoretical Computer Science with Prof. Javier Esparza.

## Work Experience

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SEP 2016-CURRENT: PhD Student at IMDEA Software Institute  
SEP 2015-MAY 2016: Internship at IMDEA Software Institute  
JUN-SEP 2015: Internship at Max Planck Institute  
JUN 2014-APR 2015: Internship at IMDEA Software Institute

## Committees

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ATVA 2019: Member of the Artifact Evaluation Committee  
TACAS 2019: Member of the Artifact Evaluation Committee

## Education

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MAY 2016: DOUBLE DEGREE AT COMPUTE SCIENCE AND MATHS  
at **Universidad Autónoma de Madrid**  
GPA: 9.14/10.0 - 3.05/4.0

## Scholarships

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2018: Short-Term *DAAD Scholarship*.  
2011-2015: Four consecutive *Excellence Award* for my academic performance.

## Languages

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ENGLISH: Fluent

SPANISH: Mother tongue