Curriculum Vitae

Personal information

Surname / First name(s)	**MISTA, Claudio Agustín**
Address	San Juan 669 (06-02), Rosario, Argentina
Telephone	+54 9 3447 430 762
Email	amista@dcc.fceia.unr.edu.ar
GitHub	`https://github.com/agustinmista`
Nationality	Argentine
Date of birth	Dec 10 1991

Education and training

2017 — **DeepSpeec Summer School 2017**
University of Pennsylvania, Philadelphia, United States

2012 - now — **Master Degree in Computer Science**
Universidad Nacional de Rosario, Rosario, Argentina
Grade average: 8.74 of 10.0
Remaining subjects: Thesis presentation
Expected graduation date: June 2018

2013 — **Intensive Java Course**
Polo Tecnológico Rosario, Rosario, Argentina
Course grade: 10 of 10

2011 - 2012 — **Electronic Engineer Degree (Incomplete)**
Universidad Nacional de Rosario, Rosario, Argentina

Internships

2016 - 2017 — "Automatic Derivation of Random Generators for Common File Formats"
Keywords: functional programming, Haskell, metaprogramming, software testing, fuzzing, security bugs discovering.
Supervised by Gustavo Grieco and Martín Ceresa at CIFASIS.

Publications

2017 — G. Grieco, M. Ceresa, A. Mista, P. Buiras:
"Quickfuzz testing for fun and profit"
Journal of Systems and Software (link)

Under revision — A. Mista, A. Russo, J. Hughes:
"Branching Processes for QuickCheck Generators"
Proceedings of International Conference of Functional Programming 2018 (link)

Software Development

QuickFuzz	An experimental grammar fuzzer written in Haskell using QuickCheck.
DRaGen	Metaprogramming tool to automatically derive optimized QuickCheck generators.
mdviewer	Minimalistic Markdown viewer/converter written in Haskell using Pandoc.

Languages

Spanish	**Mother tongue**
English	Professional working proficiency

Computer Skills

Programming Languages	Haskell, Java, Python, C/C++, R
Proof Assistants	Coq, Z/Eves
Software Versioning Systems	Git, Subversion

Courses

Master's Degree in Computer Science

First Year	Algebra and Analytic Geometry I (7)
	Algebra and Analytic Geometry II (7)
	Mathematical Analysis I (7)
	Mathematical Analysis II (9)
	Programming I (10)
	Programming II (9)
Second Year	Linear Algebra (6)
	Data Structures and Algorithm I (9)
	Formal Languages and Computability (8)
	Computer Architecture (9)
	Mathematical Complement (10)
	Logic (8)
	Numerical Methods (8)
Third Year	Operating Systems I (10)
	Data Structures and Algorithm II (8)
	Probability and Statistics (7)
	Analysis of Programming Languages (8)
	Computer Networking (10)
	Physical Models (10)
	Database Theory (8)
Fourth Year	Software Engineering I (8)
	Software Engineering II (9)
	Operating Systems II (10)
	Introduction to Artificial Intelligence (9)
	Mathematical Complement II (8)
	Compilers (10)
Fifth Year	Computer Security (10)
	Thesis Workshop (10)
	Internship Workshop (10)
Elective Courses	Introduction to Machine Learning
	Data Mining (9)
	Formal Development of Programs in Type Theory (10)

Academic Interests

Theory of Programming Languages	Functional Programming, Type Theory, Domain Specific Languages, λ-calculus.
Software Security	Random Testing, Automatic Testing, Data Flow Analysis.

Additional Information

Awards	Bicentennial scholarship to the highest high school grade (2010).
Personal interests	Gastronomy, Science Fiction, Traveling