

Curriculum Vitae

Personal information

Surname / First name(s)

Address

Telephone

Email

GitHub

Date of birth

MISTA, Claudio Agustín

San Juan 669 (06-02), Rosario, Argentina

+549(3447)430762

amista@dcc.fceia.unr.edu.ar

<https://github.com/agustinmista>

Dec 10 1991

Education and training

2012 - now

Master Degree in Computer Science (Undergraduate)

Universidad Nacional de Rosario, Rosario, Argentina

Grade average: 8.59 of 10.0

Remaining subjects: 6 and Master's thesis

Expected graduation year: 2017

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 Type-Driven Derivation of Random Value 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

Journals

G. Grieco, M. Ceresa, A. Mista, P. Buiras:

"QuickFuzz Testing for Fun and Profit"

Journal of Systems and Software

Under revision (link to pre-print)

Software Development

QuickFuzz

An experimental grammar fuzzer in Haskell using QuickCheck.

Languages

Spanish

Mother tongue

English

Professional working proficiency

Portuguese

Limited working proficiency

Computer Skills

Programming Languages	Haskell, Java, Python, C/C++
Specification Languages	Z, CSP, Statecharts, TLA+
Proof Asistants	Z/Eves
Software Versioning Systems	Git, Subversion
Operative Systems	GNU/Linux, macOS, Windows

Academic Interests

Theory of Programming Languages	Functional Programming, Type Theory, Domain Specific Languages, λ -calculus.
Software Security	Automatic Software Testing, Data Flow Analysis, Cryptography.
Compilers	Embedded Hardware Compilers, Compiler Optimizations.

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)
	Computer Programming I (10)
Second Year	Computer Programming II (9)
	Linear Algebra (6)
	Data Structures and Algorithms I (9)
	Formal Languages and Computability (8)
	Computer Architecture (9)
Third Year	Mathematical Complements I (10)
	Computer Logic (8)
	Operative Systems I (10)
	Data Structures and Algorithms II (8)
	Probability and Statistics (7)
Fourth Year	Programming Languages Analysis (8)
	Computer Networking (10)
	Physical Models (10)
	Databases Theory (10)
	Software Engineering I (8)
	Introdutction to Artificial Intelligence (9)
	Operative Systems II (10)

Additional Information

Awards

Bicentennial scholarship to the highest high school grade student, 2010.

Personal interests

Science Fiction, Electronics, Gastronomy.