

Antonio Locascio

Curriculum Vitæ

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🏠 Homepage

Education

2015 - 2020 **Universidad Nacional de Rosario**, *Facultad de Ciencias Exactas, Ingeniería y Agrimensura, Licenciatura en Ciencias de la Computación. GPA 9.75/10.*

The program consists of 5 years of coursework plus a final thesis in order to get the Licentiate degree.

The general average for this programme, calculated based on the individual GPAs of students during the previous 10 years, is 8.45/10.

Licentiate Thesis

2020 **A bidirectional type and effect system for a language with algebraic effects**, *Supervisors: Dr. Mauro Jaskelioff and Dr. Exequiel Rivas.*

Thesis The full thesis (in Spanish) can be found **here**. An English version of the thesis' abstract can be found **here**

Implementation The implementation of *Alef*, the language presented in the thesis, can be found at: <https://github.com/antoniolocascio/Alef>.

Talk I gave a talk called *Alef: A bidirectional effect system for algebraic effects* about my thesis at the **HOPE 2020** Workshop.

Technical Skills

Programming Most Experience: HASKELL, C

Languages Some Experience: PYTHON, SQL, R

Basic Familiarity: ERLANG, COQ, C++, AGDA, PROLOG

Haskell Tools STACK, CABAL, HADDOCK (Documentation), QUICKCHECK (Property Based Testing)

Specification Z, TLA, CSP

Languages

Technologies GIT, L^AT_EX, MACOS

Teaching Experience

2 Sem. 2020 **Programming Languages** - Teaching Assistant

1 Sem. 2020 **Functional Data Structures and Algorithms** - Teaching Assistant

2 Sem. 2019 **Computer Programming 2 (C and Python)** - Teaching Assistant

1 Sem. 2019 **Computer Programming 1 (Racket)** - Teaching Assistant

Course Projects

March 2019 **Compilers**

<https://github.com/antoniolocascio/TigerHaskell>

Feb. 2018 **Programming Languages**

<https://github.com/antoniolocascio/TPFinalALP>

Elective Courses

2019 **Semantics, Analysis and Verification of Programs**

Operational and denotational semantics, Hoare logic and static program analysis (data-flow analysis and abstract interpretation).

2019 **Data Mining**

2018 **Introduction to Machine Learning**

Other Activities

August 2019 **Programming Languages Mentoring Workshop, ICFP, Berlin, Germany.**

August 2018 **The Cornell, Maryland, Max Planck Pre-doctoral Research School, Max Planck Institute for Software Systems, Saarbrücken, Germany.**

Languages

Spanish Native

English Fluent

Exams **2014**, *Certificate of Proficiency in English (C2)*, University of Cambridge, Grade: B.

2013, *Certificate in Advanced English (C1)*, University of Cambridge, Grade: B.