

Stefania Damato

Curriculum Vitæ

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Education

- 2019 – 2020 **M.Sc. Computer Science**, *University of Nottingham*, Distinction.
Thesis Title: Constructing Simple and Mutual Inductive Types
Supervisor: Prof. Thorsten Altenkirch
- 2015 – 2019 **B.Sc. (Hons) Mathematics & Computer Science**, *University of Malta*, Upper Second Class Honours.
Mathematics Dissertation Title: The Cantor–Bernstein Theorem
Supervisor: Prof. David Buhagiar
Computer Science Dissertation Title: Algorithmic Translations from Parallel to Regular Monitors
Supervisor: Prof. Adrian Francalanza
- 2013 – 2015 **MATSEC Matriculation Certificate**, *St Aloysius' College Sixth Form, Malta*.
Advanced (*A-level*): Pure Mathematics (A), Computing (A).
Intermediate (*equivalent to AS-level*): Accounting (A), Maltese (A), Physics (B), Systems of Knowledge (B).
- 2008 – 2013 **MATSEC O-Levels**, *Immaculate Conception, Malta*.
11 O-levels with grades A–B.

Awards and Scholarships

- 2020 **Endeavour Scholarship**, *M.Sc. Computer Science*, University of Nottingham.
Awarded a scholarship to pursue my master's degree by the Endeavour scholarship scheme, which supports tertiary education and is administered by the Ministry for Education and Employment in Malta, and is part-financed by the European Union.
- 2019 **BehAPI Summer School**, Leicester, UK.
Offered a fully-funded place at the BehAPI Summer School organised by the University of Leicester. This consisted of a week of theoretical and practical sessions on the concept of behavioural APIs, with talks from academia and industry on topics such as session types, runtime verification, and cybersecurity (<https://bit.ly/3848nSp>).

Professional Experience

- 2020 – **Simply VC**, Balzan, Malta.
Software developer role focused on the development of blockchain applications using the Cosmos SDK.

- 2019 **University of Malta**, *Faculty of ICT*, Msida, Malta.
Three month summer internship at the University of Malta as a research assistant. Worked on the implementation of controllability of monitors under the supervision of Prof. Adrian Francalanza.
- 2018 **Ascent Software**, Luqa, Malta.
Three month summer internship in industry writing software in C++ to test low-level drivers for control units used in cars. Created Bash scripts to automate the running of these tests.
- 2017 **Atlas Insurance**, *IT Department*, Ta' Xbiex, Malta.
Three month summer internship in industry through the MITA student placement programme. Developed software in C# and wrote documentation for the AtlasSMS mobile phone messaging service, which had a Microsoft SQL Server database backend. Used SQL to connect, query and update this database. Used Visual Studio as an IDE.
- 2016 **Office of the Prime Minister**, *Energy and Projects*, Pietà, Malta.
Three month summer internship in a governmental institution through the MITA student placement programme. My duties included setting up basic IT tasks for inventory in an office setting.

Talks and Presentations

- Oct 2020 **Constructing Simple and Mutual Inductive Types**.
Finalist in Research Spotlight Competition, 14th London Hopper Colloquium, Online.
- Oct 2020 **Constructing Simple and Mutual Inductive Types in Agda**.
Agda Implementors' Meeting XXXIII, Online.

Skills

My github profile is available at github.com/stefaniatadama.

Programming Languages.

Strong in: Agda, Haskell, Python, C, C++, Java, \TeX and \LaTeX .

Comfortable with: SQL, HTML, MATLAB, Mathematica.

Have some experience with: Erlang, Go, VHDL.

Operating Systems.

Linux (Ubuntu), Windows.

Languages

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| ○ Maltese and English | C2 | (mother tongues) |
| ○ Italian | C1 | |
| ○ French | B1 | |