

Arian van Putten

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Programming enthousiast. I love hacking on Haskell and anything with strong types. Furthermore, I do my fair share of hardware hacking as well.

Education

- 2016-2018 (expected)** **MSc, Programming Technology - Computer Science**; University of Utrecht (Utrecht)
Focus on Compilers, Software Verification, Software Analysis, Type Systems, Category Theory.
- 2013-2016** **BSc, Computer Science** ; University of Utrecht (Utrecht)
Cum laude Interdisciplinary Honours Programme Utrecht, Beta Honours, Socrates Honours Society **Honours thesis: Servis: A dependently typed DSL for web APIs**

Experience

- 2015-present** **Backend software engineer at Channable:**
Channable is a product feed management tool.
I started working at Channable when it was just a small startup with 5 employees. Over the past two years, we have grown to be a large company with over 50 employees and many customers around Europe.
Responsibilities include:
- Development of core tooling and services: Involves projects in Haskell, Scala (Apache Spark) and Python
 - Operations : Managing our server infrastructure with Ansible. Monitoring with Grafana and Prometheus. Database maintenance of PostgreSQL. Setting up continous delivery pipelines for new projects using Docker. Managing service clusters with Consul.
- I blog about the work that I do at tech.channable.com*
- 2015-present** **Teaching Assistant at University of Utrecht**

During my time at the University, I have had various education-related jobs.

- **Lab Assistant at Advanced Functional Programming Summer School** I will be helping people with their assignments during this year's Summer School <http://afp.school>
- **Lab Assistant at Functional Programming course** I supervised the labs and graded assignments
- **Lab Assistant at Data Modelling course** Data Modelling is a course for Information Sciences students about Databases. I supervised the labs and graded assignments
- **Digital Examination** I helped set up a network of Chromebooks used for digital examination at several faculties.

2014

Public Relations Chair at AnonymIT conference at SNIc

AnonymIT was a conference in 2014 about encryption, open internet and anonymity. I Co-organised this conference and mostly did public relations. Furthermore, I developed the conference website and ticket system, that is still being used at new editions of the conference.

AnonymIT is part of SNIc, a joint venture of multiple computer science study associations, that organises a yearly conference for students.

<https://anonymit.snic.nl>

<https://snic.nl>

Technical Experience

Open Source Software

All my toy projects are open source on my [Github](#)

Furthermore: I have contributed to and am co-maintainer of [Servant](#), a strongly typed DSL for web APIs in Haskell.

I also gave talks about it in the past.

Open Hardware

Next to programming, I also do a fair share of hardware hacking.

- I've built many custom mechanical keyboards, and have contributed to open source firmware.
- Designed a fully open source IoT platform for LED lighting based on the ESP8266 chip. [Github](#)

Programming Languages

I have experience in: Haskell, Rust, C, C++, C#, Python, Scala, Idris, Agda, HOL, ML, Erlang, and more

Other skills

Extensive knowledge of GNU/Linux based operating systems. In particular system d based systems. I also have experience with the [Purely Functional Operating System NixOS](#)

Certificate in Advanced English (Cambridge English Language Assessment)