

Léon van Velzen



Birthdate: 01/10/1997
Email: leonvanvelzen@protonmail.com
Phone: +316 47904940
Github: github.com/leon-vv
Website: leonvv.me
Location: Leiden

Personal Profile

Known by friends as an avid traveler, a motivated student and a good companion. The only thing coming close to my passion for travel, is my love for understanding. At a young age this drive made me study the workings of computers. This led to a deep understanding of computer systems and programming languages. Always seeking a more difficult challenge, I committed to understand the universe, which meant becoming a physicist.

Work Experience

2015 - 2017, ChannelEngine www.channelengine.com

- Supported a startup to scale and improve revenue by refining the C# software architecture
- Greatly improved the efficiency of the import and export of product data that flows through the system daily
- Designed and implemented most of the new (version 2.0) API
- Integrated third party marketplaces like Bol.com, CDiscount and Ebay to our platform

Education

09/2020, Master Applied Physics (Physics for Instrumentation), TU Delft

2017-2020, Physics Bachelor, Leiden University

- Followed Advanced Theory Track (extracurricular problems sets)
- Graduation most likely cum laude (current average 8.9)
- Bachelor Thesis on 'Laser Induced Plasma' with a scientific publication following in the summer

2019, Exchange Program, University of British Columbia (Canada)

- Followed courses in engineering, maths and physics (average 8.8)
- Improved English speaking skills

2018, Circuits and Electronics (1, 2 & 3) edX online course, provided by MIT

2017-2018, Physics Propedeuse, Leiden University

- Cum laude (average 8.9)

2017-2018, Computer Science Propedeuse, Leiden University

- Cum laude (average 9.1)

2016, Pre-University Classes Computer Science, Leiden University

2010 - 2016, Atheneum, Visser 't Hooft Lyceum Leiden

- Graduated magna cum laude (average 8.7)
- National mathematics (wiskunde B) final exam made without any errors

Interests

Traveling

- Backpacked New-Zealand for six months after high school
- Member of a travel society (AEGEE-Leiden)

Indoor fitness, indoor soccer and running

Skills

Languages

- Dutch (native), English, Italian

Programming languages

- High proficiency: Python, C, JavaScript (web development in general)
- Moderate proficiency: Idris, Haskell, Lisp, C#

Software Projects

Pyka Programming Language (work in progress) github.com/leon-vv/Pyka

Using 'first class environments' the Pyka language can elegantly combine dynamic and lexical scoping and even reproduce the meta programming system of Common Lisp.

Written in Python and Pyka (a Lisp language).

To-do github.com/leon-vv/ToDo

By expressing a subset of the SQL database language in a dependent type system this project illustrates how advanced proofs about database access can be verified at compile time.

Written in Idris.

