Léon van Velzen

Birthdate: 01-10-1997

Nationality: Dutch

Location: Leiden (NL)

Willing to relocate: Yes

leonvanvelzen@pm.me

+316 47904940

www.leon.science

github.com/leon-vv

WORK EXPERIENCE

Amsterdam Scientific Instruments
july 2020 - september 2021

‣ Leading developer of a high throughput (6 Gb/s) Timepix3 data analysis pipeline
‣ Leading developer of the user interface used by customers to operate the detectors
‣ Applied physics internship on data analysis graded 90%

ChannelEngine
august 2020 - september 2017

‣ Supported a startup to scale and increase revenue by refining the C# software architecture
‣ Designed and implemented most of the new (version 2.0) API
‣ Integrated third party marketplaces like Bol.com, CDiscount and Ebay to the platform

EDUCATION

TU Delft - Master Applied Physics
september 2020 - july 2022

‣ Specialized in physics for instrumentation (nanotechnology)
‣ Average grade 85% (internship see above)
‣ Thesis on SEM aberration correction graded 90% (Pieter Kruit research group)
                                    (Hitachi High-Tech collaboration)

Leiden University - Bachelor Physics
september 2017 - july 2020

‣ Graduated cum laude (average 90%)
‣ Theoretical Physics with Advanced Theory Track (extracurricular problem sets)
‣ Thesis on computational modeling of plasma flow graded 95% (Dirk Bouwmeester group)

Univ. of British Columbia - Exchange
september 2019 - january 2020

‣ Courses in physics and engineering (average 88%)

Leiden University - Computer Science
september 2017 - july 2018

‣ Completed first year courses alongside physics bachelor (see above)
‣ Propedeuse obtained cum laude (average 91%)

Visser 't Hooft Lyceum - High School
september 2010 - july 2016

‣ Graduated magna cum laude (average 87%)
‣ Three hour standarized final mathematics exam made without *any* mistakes

LANGUAGES

	Fluent	Moderate
Human	Dutch English	Italian
Computer	Python C	C#, Java, JavaScript, Lisp, Idris

PERSONAL PROFILE

Curious, driven, and outgoing character. I have an incessant drive to understand the world around me and to be challenged intellectually. At a young age, this drive made me study computers and mathematics on my own, while later at university I chose to study physics to understand the inner workings of nature itself. I love to travel and to meet international people.

SOFTWARE PROJECTS

Traceon - tracing electrons in electrostatic geometries
Pyka - novel Lisp programming language
WebApp Todo - simple web application in a dependently typed programming language
Tetris - a tribute to an old game

INTERESTS

Traveling
‣ Cycled all of New-Zealand in four months with my former girlfriend
‣ Member of a student travel society
‣ Spent five months in Vancouver as an echange student

Hiking and exploring nature

Sports (running, gym)

Playing the guitar