Léon van Velzen

Birthdate: 01-10-1997

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Nationality: Dutch

Willing to relocate: Yes

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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 2015 - 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)
- ► <u>Thesis</u> 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)
- ► <u>Thesis</u> 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

<u>Traceon</u> - tracing electrons in electrostatic geometries
<u>WebApp Todo</u> - showcases the power of a dependently typed programming language

Visit my **Github** for more

INTERESTS

Traveling

- ► Cycled all of New-Zealand in four months
- ► Member of a student travel society
- Spent five months in Vancouver as an exchange student
 Spent three months backpacking the
- Balkans
- Spent two months backpacking the Philippines and Vietnam

Hiking and exploring nature Sports (running, gym) Playing the guitar