Curriculum Vitae Klaas-Jan Gorter

Name   Klaas-Jan Gorter
Born   26-06-1993, Utrecht, the Netherlands
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Physicist turned programmer looking to unite his interests. During my time at Universiteit Twente I developed an interest in computer programming. Originally, I used code to analyze experimental data, then later I learned to write programs to run experiments automatically. This led me to working in automation professionally for the past two years. I now want to return to my field of expertise to apply the skills I have gained.

Timeline

June 2021 – Now: SAP VC model builder
        at Alpha Deuren, Didam, the Netherlands
Deployed by iTrainee, I work at Alpha Deuren on the transition from legacy systems to SAP. I am primarily charged with the integration of their product configurator. To this end I build models in SAP Variant Configuration in cooperation with the automation department.

February 2021 – Now: SAP trainee at iTrainee

September 2019 – January 2021: Full-stack developer
        at DeSiCi, Mexico City, Federal District, Mexico
As part of the (all-Spanish-speaking) development team at DeSiCi, I worked on web-based front-ends and Python back-ends for corporate cloud-applications. I specialized in integrating external APIs into projects. Our largest project was an online front-end for SAP Business One.

May 2018 – May 2019: Master thesis project
        at Universiteit Twente, Enschede, the Netherlands
To complete the MSc. degree, I wrote my master thesis about an optical processor consisting of photon Bose-Einstein Condensates. I built an experimental set-up which runs on C++ code.

September 2018 – December 2018: Research internship
        at DTU, Køngens Lyngby, Denmark
At the Structured Electromagnetics Materials (SEM) group I worked on a research project about the nonlocal theory of plasmonic materials. Some of my results were included in the publication:
        Plasmonic semiconductor nanoparticles showing nonlocal response
        DOI:10.1088/1742-6596/1537/1/012001

Skills

Python

Optics

SAP

DevOps

Personal skills

Analytical

Broad interests

Resourceful

Languages

Native Dutch

Fluent English

Professional Spanish

Casual German

Interests

Reading

Boxing

Magic: the Gathering

2016 – 2019: Master Applied Physics, Optics track
      at Universiteit Twente, Enschede, the Netherlands
While specializing in optics, I studied subjects like Quantum Optics, Advanced Quantum Mechanics and Biomedical Optics. During experimental projects I learned about the design and operation of experiments.

2011 – 2016: Bachelor Technische Natuurkunde
      at Universiteit Twente, Enschede, the Netherlands
During my bachelor I learned the fundamental concepts of a variety of subjects, including calculus, classical/quantum mechanics, physical simulations and experimental methods. For my minor, I studied finance for a semester.

2005 – 2011: Gymnasium
      at RSG Trompmeesters, Steenwijk, the Netherlands
In high school I enjoyed a broad curriculum with natural sciences, economics and languages. My favorite courses were Latin and Physic, because I enjoyed the puzzle-like nature of their material.

Recent activities

May 2021: DevOps Fundamentals Certification
In Mexico I first learned about modern project management frameworks, like Scrum and DevOps. In the projects I worked on we had automated many parts of the development pipeline using continuous integration and deployment (CI/CD) tools in GitLab. I decided to get educated about DevOps, so I can bring these technologies and frameworks to future projects.

2020: Co-author of two scientific papers
Two projects, on which I worked during my studies, have made it into scientific publications this year. Some of my results have been included. Theoretical work from my internship can be found in doi.org/10.1088/1742-6596/1537/1/012001 and doi.org/10.1002/adom.202001438 contains measurements I made during the Nanophotonics Experiments course.