Nationality
Dutch

Born in
South Africa

Current Residency
Rotterdam,
Netherlands

Languages
English - Native
Afrikaans - Native
Dutch - Basic

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Personal Sites
ChrisViviers.com
github: chrisviviers
LinkedIn: chrisviviers

Publications
Google Scholar

Hobbies
Building things
Traveling
Gaming
Running

Looking for
Impact
Challenge

Christiaan Günter Alwyn Viviers

Research Engineer

About me I am a research engineer with a passion for pushing the boundaries of technological advancement and building what has never been built before. Equipped with diverse technical skills and a problem-solving mindset, I thrive in developing impactful, innovative solutions. My commitment to innovation and technology drives my continuous pursuit of learning, improvement, and collaboration.

Education

2020 - 2024, Doctor of Philosophy (PhD.), Electrical Engineering

Computer Vision Specialization, publications at ICCV, ECCV, TIP, TMI - Thesis title: Enhanced Computer Vision Methods for Cancer Detection and Precision Guidance in Medical Imaging.
Eindhoven University of Technology & Philips, The Netherlands.

2016 - 2017, Masters Degree (MEng.) Electrical Engineering

Biotechnology Specialization - Thesis title: The Design and Fabrication of an Autophagy Flux Biosensor. Cum Laude.
Stellenbosch University, South Africa.

2016 - 2019, Additional Training

- Online courses: Machine Learning - Stanford University on Coursera, Full Stack Web Development Nanodegree - Udacity, Secure & Private AI - Udacity
- Scanning Electron Microscopy (SEM) Certification (2016).
- Yacht Young Talent Program (June 2018 - Dec 2019) - Developed leadership, management and soft skills through active coaching.

2012 - 2015, Bachelor Degree (BEng.), Electrical Engineering

Informatics Specialization. Thesis: Development of a Resistive Microfluidic Sensing Device for Pathogen Detection. Awarded the Jac Van der Merwe prize for the most innovative thesis in the Faculty of Engineering.
Stellenbosch University, South Africa.

Experience

June 2024 - Present, Researcher

Postdoctoral Researcher on Image Generative Models at TU/e, part of the TASTI Eureka Project.
Eindhoven University of Technology, The Netherlands.

2018 - 2020, Software Engineer at Philips IGTs

Joined Philips Image Guided Therapy systems (IGTs) as a software engineer focusing on improving the quality of the next generation IGT systems. Develop various vision-based technologies to enable surgical guidance and automated testing.
Philips IGT, The Netherlands.

Jan 2016 - Mar 2016, Researcher

Research and Development of Biosensors and Microfluidics at SAND microfluidic laboratory, Stellenbosch University. Successfully developed and patented a biosensor prototype for bacteria detection.
Stellenbosch, South Africa