



Christiaan Günter Alwyn Viviers

Scientist/ Electrical Engineer

Nationality
Dutch

Born in
South Africa

Current Residency
Rotterdam,
Netherlands

Languages
English Native
Afrikaans Native
Dutch A1

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Personal Sites
ChrisViviers.com
github: chrisviviers
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Publications
Google Scholar

Hobbies
Building things
Traveling
Gaming
Running

Looking for
Impact
Challenge

About me I am a scientist and engineer with a passion for pushing the boundaries of technological advancement and building what has never been built before. With a diverse set of technical skills and a strong problem-solving mindset, I am uniquely equipped to develop innovative solutions that leave a lasting impact. 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 - Thesis title: Enhanced computer vision methods for precision guidance and detection in radiology.
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, Online Courses
Various online courses completed

- Machine Learning, Stanford University on Coursera, Andrew Ng
- Full Stack Web Development Nanodegree, Udacity
- Secure & Private AI, Udacity

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

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.

Feb 2016 - Present, Student Assistant & Teacher
Taught various electric and electronic engineering courses at the Stellenbosch University and TU/E. Some of these include: C programming, Electronic Design and Neural Networks for Computer Vision.
Stellenbosch, South Africa.

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