

Jehan Singh

Curriculum Vitae

Personal Details

- Name: Jehan Rajendra Singh
- Email: jehansingh.97@gmail.com
- Alternate Email: sngjeh001@myuct.ac.za

Personal Profile

I am a third-year computer engineering student at the University of Cape Town. I believe that I am an adaptable individual who is willing to learn whatever is needed to succeed in any role I find myself performing. I am a competent computer user and programmer with a variety of skills in programming, and an elementary knowledge of algorithms. I believe I can find intelligent, useful solutions to problems. I have started working on small personal projects in my spare time, which can be found on my GitHub at <https://github.com/KaliumPuceon/> and I also have some experience with basic website design, which can be seen on my personal website, <https://xn--ic9h.tk>

Education

- 2016-present: Studying towards BSc. Engineering in Computer Engineering
- 2015: Graduated from Northcliff High School with distinctions in Mathematics, Information Technology, Life Sciences, Physical Sciences, and Life Orientation, as well as a merit in Advanced Program Mathematics

Work Experience

Vacation work at ABSA Aliens

- A two-week placement at the ABSA Aliens in January 2018
- Prototyped a system for locating a device within a building based on pre-existing wi-fi networks, the initial prototype can be found here: <https://github.com/KaliumPuceon/FieldMap>
- Continuing work on this system to make it into a complete service with two other interns
- Learnt valuable skills for working with a team during development

Undergraduate internship at MWR Information Security

- A two-week training internship with MWR Information Security, Johannesburg in December 2017
- Recieved training and experience with webapp security as well as in formal reporting on such faults

Vacation work at JourneyApps, Stellenbosch

- Three-week vacation work placement at JourneyApps Stellenbosh, July-August 2017
- Worked on NodeJS API server wrapper to reduce the number of API calls needed

Additional Achievements

- Placed 1st nationwide and 27th worldwide at the World Robotics Olympiad 2013, Jakarta.
- Highest scoring student at World Scholar's Cup: South African round, 2015
- Placed fourth nationwide in the 2015 SAIP Physics Olympiad

Skills

- Experience using the programming languages and tools Python, Lua, NodeJS, Pascal, HTML and Shell Scripting
- Elementary knowledge of C, Ruby, Java, including some Android development, CSS, and SQL
- Competent user of both Microsoft Office packages and LaTeX document creation tools
- Competence with both Windows and GNU/Linux Operating Systems
- Experience with electronic construction and design
- Capable of quickly learning about new tools or systems as needed
- Skill at working with technical equipment or documents