



BRYCE GRAHN

STUDENT • INFORMATION
ENGINEERING • WITS

INFO

Name	Bryce Grahn
Title	Mr
Ethnicity	White
Gender	Male
Date of Birth (Age)	12/07/1999 (24)
Studies	Y4 Information Engineering
Nationality	South African
ID Number	9907125050085

KEY QUALITIES



CONTACT



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Randburg, 2196

PROFILE

- ❖ I am an engineer and software developer with an unwavering passion for innovation and a relentless drive to excel. My creative mindset fuels my quest to craft elegant solutions that blend cutting-edge technology with strategic thinking. I thrive on problem-solving, viewing challenges as opportunities to learn and grow. In my journey, I've discovered that success is not about working hard; it's about working smart. I'm committed to sharing my knowledge and uplifting the people I work with, as I believe in collective growth. Outside of my professional endeavors, I embrace competition, whether in coding challenges or the thrill of racing FPV drones. In my downtime, I find solace in the art of fly fishing, a hobby that parallels my approach to life — patient, focused, and always in pursuit of the perfect catch.
- ❖ My academic journey began with chemical engineering at the University of Witwatersrand, completing both 1st and 2nd year on the dean's list. After exposure to specific chemical engineering subjects, I came to the realization that my true passion lay in pursuing a degree in electrical engineering, with a strong emphasis on software development and artificial intelligence.
- ❖ At present, I am working on my theses. The first one involves a task offloading scheme for mobile edge computing using deep neural networks ([ctrl click](#)), and the second one is an investigative project for optimizing traffic light timings using reinforced learning ([ctrl click](#)).

EDUCATION

Secondary Education: TrinityHouse Randpark **2006 - 2018**

Tertiary Education: Chemical Engineering **2019 - 2020**

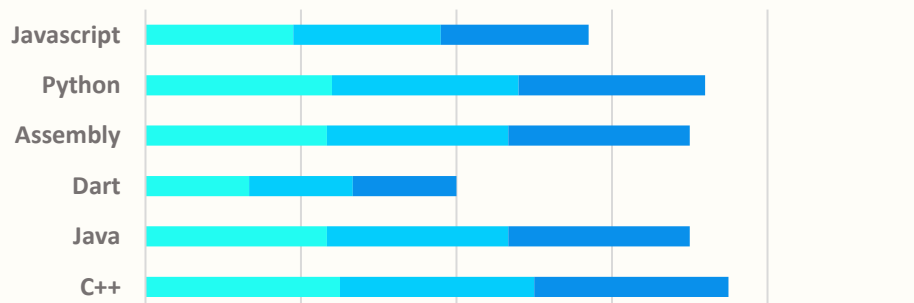
Electrical/Information Engineering at Wits **2021 - 2023**

Matric and University marks: [Matric certificate](#), [Academic transcript](#)

Courses Attending outside the purview of my degree: 100 days of python, The Git and Github bootcamp, Flutter and Dart – The complete guide, Googles technical writing course.

COMPUTER LITERACY

Word, Excel, MsProject, Java, Matlab, R, C++, Assembly, Python, Dart, SQL, GIT, Javascript, Typescript, CSS, Machine learning



AWARDS

Academic Full Colours	2014 - 2018
Sports Full Colours	2016 - 2018
Prestige Blazers	2013, 2015, 2017
Top 10	2013 - 2018
Sir Henry Strakosch Memorial Trust Bursary (Top Math and Science pupil)	2017
Deans List	2019 - 2022
Certificates of merit	2019 – 2022
Best project for software II	2022
Best project for software III	2023
(A) Yearly aggregate	2019-2022
Council merit scholarship	2019-2022

REFERENCES

Mr Keith Wilke Headmaster at
Heron Bridge High School
083 293 7145

Mrs Claire Pretorius (Grade Head)
011 794 4799

Mr Bryce Kwant (Youth Pastor)
011 792 1340

LINKS



Portfolio website ([Ctrl click](#))
Matic certificate ([Ctrl click](#))
Academic transcript ([Ctrl click](#))

COMMUNITY SERVICE

- ❖ Refilwe: Community outreach
- ❖ School and church outreach programs
- ❖ Zandspruit homework classes.

WORK EXPERIENCE

Software developer:

BBD • Full-time, Jan 2023 – Feb 2023 • 2 months, Gauteng, South Africa

I consider it an incredible privilege to have had the opportunity to work at BBD alongside a team of highly capable students, all under the exceptional leadership of Lucky Nkosi. Our primary mission was to design a proof-of-concept project for the All4SA initiative. Working collaboratively as a team, we learned to navigate complex challenges, problem-solve effectively, and manage our time efficiently to meet project milestones.



Skills: Typescript · PostgreSQL · Docker · Node.js · Tailwind CSS · Angular

Software developer:

BBD • Full-time, Jul 2022 • 1 week, Gauteng, South Africa

My time at BBD was an absolute blast, and it was made even more enjoyable by the incredible team I had the privilege of working with. Together, we created an online web-based multiplayer game called "The Phisherman's Joust," inspired by the classic PlayStation game,



Skills: JavaScript · HTML · CSS · Git · GitHub

Youth leader:

The Barn • Part-time, Jan 2020 – Jul 2022 • 2 years 7 months, Gauteng, South Africa

My desire is to share the boundless love of Jesus and the grace of God with others, especially with the upcoming generation. At the Barn Christian Fellowship youth program, it is my firm belief that by imparting the teachings of Christ and the profound message of God's love to our youth, we are not only shaping their faith but also empowering them to be compassionate, responsible, and resilient individuals.

Skills: Communication · Leadership

Business manager:

Self-employed • Full-time, April 2020 – Jul 2020 • 4 months, Gauteng, South Africa

In April 2020, amidst the initial phases of the COVID-19 pandemic, I took the initiative to run a hand sanitizer business to meet the surging demand for essential hygiene products. Recognizing the urgent need for effective sanitization, I dedicated myself to sourcing, producing, and distributing quality hand sanitizers to help protect our communities.

Skills: Administration · General Office Work · Human Resources (HR) · Sales

Tutor at Genius premium tuition:

Genius premium tuition • Full-time, Jan 2019 – Jan 2020 • 1 year, Gauteng, South Africa

I am grateful for having had the opportunity to serve as a private math and science tutor at Genius Premium Tuition, a role that has truly ignited my passion for education. As a tutor, I've had the unique opportunity to work with some of the brightest minds and most dedicated students. What I find most fulfilling about my work is not just the subject matter itself, but the profound impact it has on the lives of those I've had the pleasure of teaching.

Skills: Tutoring · Mathematics · Applied Mathematics · Science

INTERESTS

