

Henri Branken

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OVERVIEW

I hold a Master's Degree in Space Physics (Cum Laude), which has equipped me with strong research capabilities and proficiency in mathematical analysis and modeling. Transitioning from academia, I gained approximately 3.5 years of experience as a Data Scientist at Matogen Applied Insights. There, I developed solutions such as a Portfolio Performance Monitor and Credit Loss Model for a telecommunications company, a PowerBI dashboard for monitoring agricultural nutrient distributions, and an AI model to predict grape harvesting dates.

To broaden my skill set, I completed a HyperionDev Bootcamp, mastering programming languages including HTML, CSS, JavaScript, the MERN stack, and Java. This experience enhanced my understanding of full-stack web development and effective database management. Upon completion, I served as a Coding Mentor from July 2024 to January 2025.

In summary, I possess a strong scientific background, a deep interest in programming, and a naturally curious nature. While I can navigate Windows environments, I prefer working with Linux systems.

LANGUAGES

- Afrikaans: Mother Tongue
- English: Fluent, Level 5 TEFL Certification

EDUCATION AND TRAINING

2024/07–2025/03

HyperionDev Code Reviewer & Student Mentor

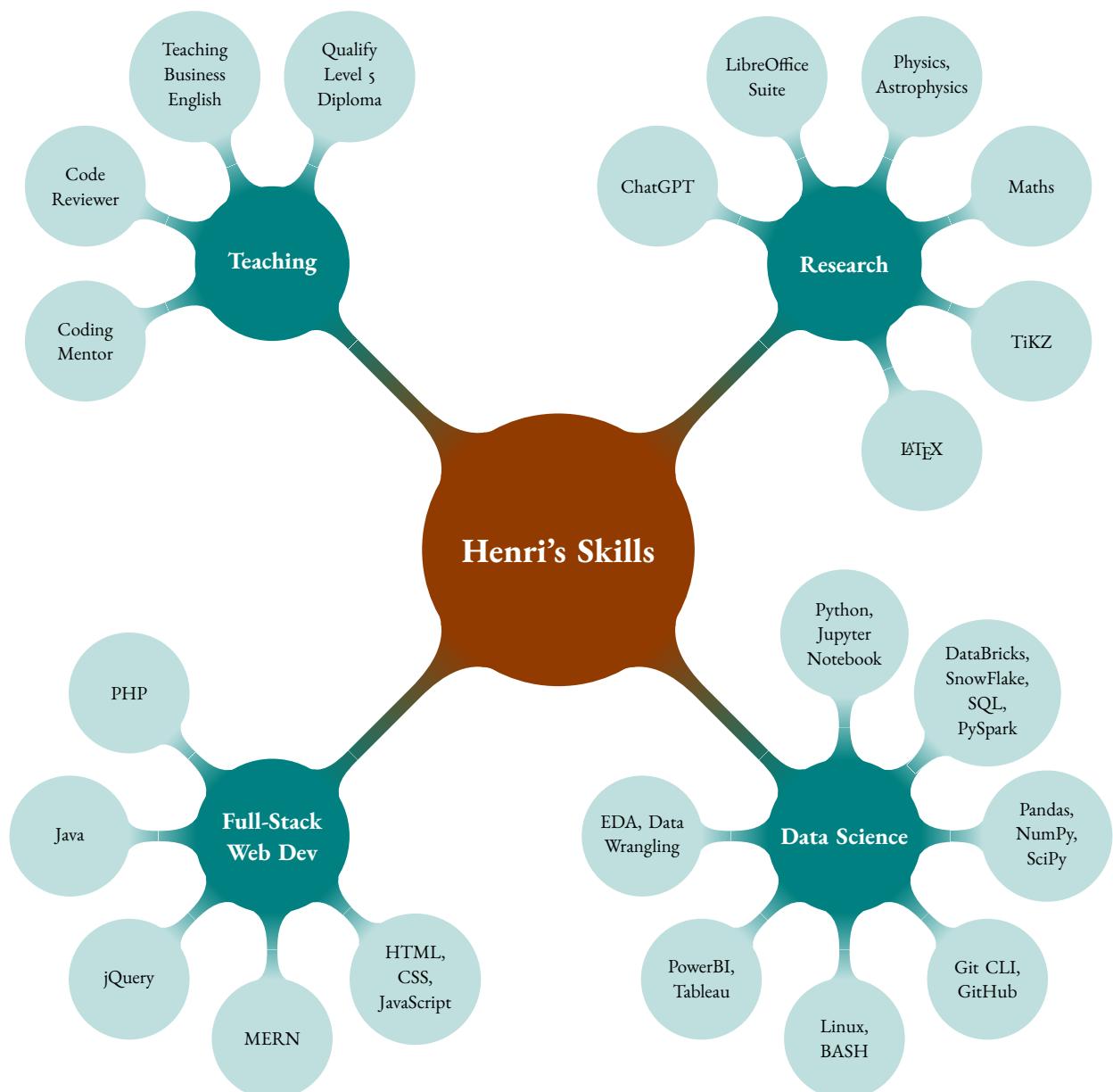
- As a Coding Mentor, I evaluated students' coding submissions for tasks and provided constructive feedback to enhance the quality, efficiency, and styling of their code. Additionally, I conducted live sessions to provide personalized guidance, helping students effectively tackle specific tasks and develop their programming skills.
- Acting as a SME to refactor **task contents** for course syllabi.
- Conducting an **onboarding session** for newly-enrolled students on the **LiveStorm** platform.
- Please see my full Academic Portfolio [here](#).

2023/01–2023/09

HyperionDev Full Stack Web & Software Engineer Bootcamp

- HyperionDev is accredited with the **MICT Seta** (ACC/2017/05/0005). This course bears **30 Credits**, aligned to an **NQF Level 5 Qualification**.
- Please click on this [link](#) to view my entire HyperionDev Profile
- I received a **"Student of the Month" Award** for my commitment to excellence and continuous improvement

	<ul style="list-style-type: none"> Expand the “January 2023 – September 2023” section of this link to view some Git Repos I created during this course
2022/08–2022/12	<ul style="list-style-type: none"> Qualify Level 5 Diploma in Teaching English as a Foreign Language (The TEFL Academy) Classroom TEFL Course Certificate (20 Hours) TEFL, Teaching Business English (30 Hours) The completion of my own Japanese Language Studies book, which took 4+ years. Without a doubt, this is the project I’m most proud of!
2019–2022/07	<p>Data Scientist at Matogen Applied Insights</p> <p>2018</p> <ul style="list-style-type: none"> Completed Online Courses at Udemy and DataCamp with a strong focus on Python Data Science and Linux Essentials. Attended PyConZA 2018 in Johannesburg. <p>2017</p> <ul style="list-style-type: none"> Internship at the Centre for Space Research, Potchefstroom Completed the ‘Data Science with Python’ Track on DataCamp (Certificate Number #13,897) Completed the 2017 Advent of Code challenges. My Python solutions may be viewed in this repo
2014–2016	<p>Master of Science in SPACE PHYSICS, North-West University, Potchefstroom</p> <p>DISSERTATION: <i>Weighing dark matter in brightest cluster galaxies</i></p> <p>SUPERVISOR: Prof. Ilani Loubser</p> <p>AVG. SCORE: 85%, <i>Cum Laude</i></p> <p>Awarded as the top achiever on Master’s level in the Centre for Space Research (for the year 2016).</p> <p>Academic Transcript</p>
2013	<p>Honours Bachelor of Science in PHYSICS, North-West University, Potchefstroom</p> <p>Avg. Score: 92%, <i>Cum Laude</i></p> <p>Awarded as the Top Achiever in Honours in Physics</p>
2010–2012	<p>Bachelor of Science in PHYSICAL AND CHEMICAL SCIENCES, North-West University, Potchefstroom</p> <p>Majored in Physics and Applied Mathematics</p> <p>3RD YEAR AVG. SCORE: 95%, <i>Cum Laude</i></p> <ul style="list-style-type: none"> Awarded as the top achiever in the 1st, 2nd, and 3rd years of the Physics curriculum Awarded as the top student in the Faculty of Natural Sciences for the 1st and 3rd years of study Supplemental Instruction Leader for the 2011 Term in Mathematics (1st year level)
2009	<p>Matriculated with 8 distinctions from St. Andrew’s Private School, Welkom</p> <p>Avg. Score: 89%, <i>With Distinction</i></p>



REFERENCES

Seraaj De Villiers	HyperionDev ✉ seraajd@hyperiondev.com
Prof. Christo Venter	North-West University ✉ christo.venter@nwu.ac.za
Mr. Jacobus Eksteen	CEO, Matogen Applied Insights ✉ jacobus.eksteen@ai.matogen.com