

PATTERSON RAINBIRD-WEBB





FULL-STACK DEVELOPER, ACCESSIBILITY
MINDED COMPUTER SCIENCE STUDENT



PERSONAL PROFILE

Final-year BIS Multimedia student at the University of Pretoria with a strong aptitude for creative problem-solving, fast learning, and hard work. Seeking to pursue a postgraduate degree in BSc Computer Science, specializing in AI-driven accessibility solutions.

CONTACT

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EDUCATION

University of Pretoria
BIS Multimedia 2022-Present

Oakfields College
Certificate in Graphic Design 2021

University of Pretoria
BA Languages Graduate 2020

i-to-i TEFL
Level 5 TEFL teaching certificate

SKILLS

- **Web & Full-Stack Development:** HTML, CSS, JavaScript, TypeScript, XML, JSON; experience with SQL and NoSQL databases
- **Programming:** Proficient in Java, C++, Python, Go; additional experience in Ruby, Fortran, COBOL, Scheme; strong focus on test-driven development
- **DevOps & Version Control:** CI/CD pipelines, GitHub workflows, automation, collaborative Git practices
- **Software & Systems Design:** Software architecture, system design principles, UI/UX with accessibility focus
- **Languages:** Fluent in English, Spanish, and Afrikaans

EXPERIENCE

Project Lead, InsideInsights

MARCH 2025 - PRESENT DAY

- Current project lead, database engineer and AI expert in COS301 capstone project. Demoing at project day on 24 October.

Multimedia creation intern, Innocomm

JUNE 2022 - JULY 2023

- Creating social media content, developing brand identities and interfacing with customers
- Assisting in the design of print media
- Design and development of websites and upkeep of domains

Content Creator, Wingu

APRIL 2021 - DECEMBER 2021

- Creating graphics, presentations and videos for A-level Spanish courses
- Embedding and managing content on Wingu's site
- Illustrating diagrams and images for lesson content
- Building quizzes, puzzles and base level HTML coding as well as website layout

Volunteer, Friends of Free Wildlife

DECEMBER 2020 - PRESENT DAY

- Preparing food, serving clinic duty, checking and cleaning cages and transporting wildlife