

TRISTAN JOUBERT

Cybersecurity & Data Analytics | BSc IT (Year 3)

076 192 9048

tristanjoubert02@gmail.com

Elarduspark, Pretoria · Code 08

hexwrk.github.io

linkedin.com/in/tristan-joubert-5a847b350

github.com/hexwrk

PROFILE

I'm a third-year IT student, focusing on cybersecurity and data analytics. I lean towards red-team work and have a history of building things outside of my coursework. I'm active on platforms like HackTheBox and TryHackMe, practising things like network exploitation, privilege escalation, and finding web vulnerabilities. Some of my projects include a Git pre-commit security scanner and a security log analyzer, which I built to spot unusual activity in large amounts of data. I'm looking for a WIL internship where I can actually contribute and not just watch from the sidelines.

TECHNICAL SKILLS

Languages	Security Tools	Data & Analytics	Ops & Platform
Python	Nmap · Metasploit	Pandas · NumPy	Linux (Ubuntu/Debian)
Java	Burp Suite · OWASP ZAP	scikit-learn	Git · GitHub
C++	Wireshark	Matplotlib · Plotly	Docker
Bash	John the Ripper · Hashcat	ELK Stack · Kibana	Prometheus
SQL	Gobuster · ffuf	Grafana	zsh · Bash scripting
JavaScript			

PROJECTS

Security Pre-Commit Scanner

github.com/hexwrk/security-pre-commit-scanner

Python · Git Hooks · YAML · DevSecOps

- ▶ This is a Git pre-commit hook that checks Python code for things like exposed credentials, SQL injection, unsafe commands, and weak encryption. It runs before any code even gets to the repository.
- ▶ You can set it up using YAML rules, so teams can add new ways to detect issues without having to change the main program.
- ▶ It helps fix the common problem where security checks happen too late, instead of right when someone is adding new code.

Security Log Analyzer

In Development

Python · Pandas · ELK Stack · Kibana

- ▶ This tool automatically goes through over 10,000 log entries to find things like attack patterns, sudden increases in failed logins, or other signs of unusual activity.
- ▶ It uses Pandas to connect data offline, the ELK Stack to bring in all the information, and Kibana to put everything on a timeline and help visualize issues quickly.

AutoTublify

github.com/hexwrk/AutoTublify

JavaScript · Chrome Extension API · Automation

- ▶ This is a Chrome extension that automatically gives you summaries of YouTube videos right there in your browser, using a simple overlay that doesn't get in the way.

W O R K E X P E R I E N C E

Sales Consultant

Apr 2024 – Jan 2025

Vape Vendors, Pretoria

- ▶ I ran the point-of-sale (POS) system, handling over 100 transactions every day with nearly perfect accuracy.
- ▶ I kept the inventory database up to date for over 500 different products, keeping stock accuracy above 95%.
- ▶ I also helped fix computer and software issues for the store's systems, acting as the first point of contact to keep everything running smoothly.

E D U C A T I O N & T R A I N I N G

BSc Information Technology

2024 – Present (Year 3)

Richfield Graduate Institute of Technology, Centurion

- ▶ I'm focusing on Cybersecurity and Data Analytics.
- ▶ For 2026, my modules include AI 700, Cyber Security 700, Machine Learning 700, HCI 700, and Programming 741 (which covers Java OOP).

Practical Cybersecurity Training

2024 – Present

TryHackMe (Handle: Furios) · HackTheBox · Self-directed

- ▶ I actively practice offensive security through things like network exploitation, privilege escalation, finding web vulnerabilities, cracking passwords, and taking part in CTF challenges.
- ▶ I also study on my own, learning about data analytics, machine learning, how to develop exploits, and red team techniques.

National Senior Certificate (Matric)

2023

Hoërskool Waterkloof, Pretoria

- ▶ I received a Matric Exemption, which means I qualified for Bachelor Degree admission.

R E F E R E N C E

Eunice Nel · Manager, Vape Vendors

072 757 8893

eunicenel55@gmail.com