

RUBEN VINCENT CALEB

Potchefstroom, North West

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Summary

Aspiring Software Developer with strengths in programming, system design, and data analytics. Proficient in Python, C++, and React.js, with experience in Git-based collaboration, version control, and software prototyping. Eager to continuously learn and contribute to building impactful, data-driven solutions.

Skills

- Programming & Web Development: Python, C++, JavaScript, HTML, CSS, React.js
 - Data & Analytics: MATLAB, NumPy, SciPy, Matplotlib, Probability & Statistics, Data Visualization
 - Tools & Systems: Git, GitHub, Microsoft Office, SFML, VS Code
 - Soft & Workflow Skills: Problem-solving, Teamwork, Time Management, Debugging, Version Control
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Projects

Crash Multiplier Analyzer (Python, NumPy, SciPy, Matplotlib)

- Developed a statistical analysis tool for crash multiplier data.
- Applied probability distributions (Exponential, Lognormal, Gamma, Weibull, Pareto) and evaluated models with AIC/BIC metrics.
- Visualized model performance and managed version control via GitHub for reproducibility
github.com/klabruben3/crash-distribution-analyzer

Experience

Independent Projects | 2022–Present

- Developed prototypes in software development, data analysis, and 2D game design.
- Created 2D games with C++ and SFML, focusing on efficient object-oriented design.
- Applied AI tools to streamline workflows and accelerate prototyping.

Buhle Bezwe ECD | Administrative & IT Support | (2023 - 2025)

- Created and maintained admission and reporting systems using Microsoft Word and PowerPoint.
- Produced funding reports and presentations through optimized Microsoft Office workflows.
- Improved document generation speed by 40% through template and process automation.
- Delivered IT troubleshooting and hardware/software support to maintain seamless operations.

Education

Mahareng Secondary School – Grade 12 (Matric) | 2021

North-West University – BSc Computer Science & Mathematics | (in progress)

Certificate: MATLAB

References available on request