






MC WOLMARANS

CONTACT DETAILS

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PERSONAL DETAILS

- First Name:

Martinus Christoffel
- Surname:

Wolmarans
- Date of Birth:

30 March 2004
- Nationality:

South African
- Languages:

English, Afrikaans

TECHNICAL SKILLS

- Programming Languages:** C#, Python, JavaScript, Java, HTML5, CSS3
- Frameworks & Libraries:** ASP.NET MVC, Express.js, Entity Framework, React, Java Swing
- Databases:** SQL, SQL Server, PostgreSQL, Microsoft Access, MongoDB
- Tools & Platforms:** Git, GitHub, Visual Studio, VS Code, Node.js, Windows, Linux, Arduino Prototyping
- Web & API Development:** Full-Stack Development, RESTful APIs, API Integration
- Software Practices:** Object-Oriented Design, Software Architecture, Debugging, Secure Coding, Code Documentation, Agile Methodologies, Version Control
- Other:** Microsoft Office (Excel, Word, PowerPoint, Outlook)

PROFESSIONAL SKILLS

- Programming and Software Development
- Systems and Requirements Analysis
- Business Relationship Building
- Continuous Learning and Adaptability

SOFT SKILLS

- Effective communication
- Leadership and mentorship
- Teamwork and collaboration
- Emotional intelligence
- Critical thinking and problem solving
- Creativity
- Time management and organisation
- Attention to detail
- Reliability and accountability
- Stress management
- Resilience

PROFESSIONAL PROFILE

I am a third-year Bachelor of Computing student at Belgium Campus, specialising in Software Engineering. During my academic journey I have consistently demonstrated academic excellence by earning valedictorian honours at both high-school and university levels.

My studies have provided me with a solid foundation in object-oriented design, data structures, algorithms, web and mobile development, and database systems. Driven by a commitment to excellence, I actively seek to master new technologies and best practices across the full software development lifecycle.

I have applied these principles in full-stack projects using C#, Python, Java, and JavaScript, and have developed web and database solutions with ASP.NET MVC, Node.js, SQL Server, and MongoDB. Currently, I am actively expanding my technology toolkit by learning React and working with Entity Framework. Beyond coursework, I have served as a peer tutor, elevating fellow students by improving their understanding of complex concepts.

I have a methodical, agile-driven approach to translating complex requirements into clean, reliable code, focusing on code quality, user-centred design, and continuous improvement. With a personality that thrives in collaborative environments where innovation and impact are valued, I bring strong problem-solving skills, technical precision, and a passion for high-quality software development.

EDUCATION

Third-Year Bachelor of Computing (Software Engineering) (NQF 8)

Belgium Campus, Pretoria

2023 – Present

Expected Graduation: 2026

This degree equips graduates with the skills to apply systematic engineering methodologies across the software development lifecycle. Core subjects include:

- Object-oriented programming and design patterns.
- Data structures and algorithms.
- Web and mobile application development.
- Database systems and query optimisation.
- Software testing and quality assurance.
- Systems analysis, architecture, and project management.

Graduates emerge with strong competencies in both front-end and back-end development, alongside leadership, analytical thinking, and problem-solving skills essential for driving software innovation in dynamic environments.

Academic Achievements:

- First-Year Average: 91%.
- Second-Year average: 90%.
- Valedictorian in both first and second year.

Grade 12 (National Senior Certificate) (NQF 4)

HTS John Vorster, Pretoria

2018 – 2022

- Achieved six distinctions with an overall average of 86%.
- Valedictorian of graduating class.
- Top marks in Mathematics, Physical Science, and English.

WORK EXPERIENCE

University Tutor

Belgium Campus, Pretoria

February 2024 – December 2024

- Facilitated tutorial sessions in programming, database management, web development, statistics, and mathematics for undergraduate peers.
- Delivered one-on-one mentorship and supplemental workshops, boosting attendance and comprehension through structured study guides.

Mathematics and Physical Science Tutor

Meta Centre, Pretoria

March 2023 – November 2023

- Delivered tailored lessons in Mathematics and Physical Science to students in Grades 8–11, enhancing conceptual understanding and exam results.
- Developed custom practice materials and digital exercises, leading to measurable grade improvements for nine students.

KEY PROJECTS

TheologyLens – AI-Powered Scripture Search

Python, FastAPI, React, SentenceTransformer, FAISS

Semantic search tool enabling users to query the Bible by meaning rather than keywords. Implemented vector-based semantic search using SentenceTransformer and FAISS.

- Built RESTful FastAPI backend with modular React front end.
- Developed clustering features to improve query optimisation.
- Demonstrates NLP, AI application design, and full-stack integration.

MCC Limpopo Corporate Website

HTML5, CSS3, JavaScript

Custom business website built to establish digital credibility for an industrial services firm.

- Designed and developed responsive layout with clear information architecture.
- Focused on UX principles to ensure clarity, accessibility, and professional tone.
- Collaborated with stakeholders to align branding and content strategy.

Interactive Digital Portfolio Book

JavaScript, Turn.js, Responsive Design

An innovative personal portfolio site presented as an interactive digital book.

- Developed custom page-flipping interface using Turn.js for immersive storytelling.
- Integrated smooth navigation and responsive layouts for all devices.
- Highlights creative front-end development and user-centred design.