

PROSPER SIBANDA

Software Engineer | Copywriter



PROSPER

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Gender: Male
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PROFILE

I am a solution oriented Software Developer, lifelong learner, and adventurer with a professional background in software business strategy. I enjoy development because of the satisfaction i get by overcoming challenges. I am motivated by the opportunity that software provides to positively impact the life of an individual, and the world as a whole.

Skills & Technologies:

Python | HTML & CSS | MySQL | Networking | PHP | Object Oriented Programming | CopyWriting

EDUCATION

Computer Science A LEVEL Cambridge
Speciss College, Bulawayo

Feb 2022 - Nov 2023

Computer Science A Level Cambridge International Examinations

Curriculum Overview: Studied a comprehensive syllabus covering fundamental and advanced topics in computer science.

Achievements:

- Achieved an A grade, reflecting strong academic performance.
- Scored 87% in final examination.
- Participated in coding competitions and hackathons, earning top positions.
- Contributed to collaborative projects, demonstrating teamwork and communication skills.

Key Subjects:

- Programming: Gained proficiency in programming languages such as Python and Java. Developed skills in writing, testing, and debugging code.
- Algorithms and Data Structures: Learned about essential algorithms, their implementation, and efficiency. Explored various data structures including arrays, linked lists, stacks, queues, and trees.
- Computer Systems: Studied the architecture and functioning of computer systems, including hardware components, operating systems, and networking.
- Software Development: Gained experience in the software development lifecycle, including requirements gathering, system design, implementation, testing, and maintenance.
- Database Management: Learned the principles of database design, SQL, and the management of data in relational databases.
- Theory of Computation: Explored the theoretical foundations of computing, including computational theory, automata, and formal languages.

Projects and Practical Work:

- Developed several software projects demonstrating the application of theoretical knowledge to practical problems.
- Conducted experiments and research to solve complex computing problems and presented findings through detailed reports.
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Skills Acquired:

- Analytical thinking and problem-solving skills.
- Proficiency in multiple programming languages.
- Strong understanding of software engineering principles.
- Ability to design and manage databases.
- Knowledge of network configurations and security measures.
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Information Technology A LEVEL Cambridge

Feb 2022 - Nov 2023

Speciss College, Bulawayo

Information Technology A Level Cambridge International Examinations

- Curriculum Overview: Covered a comprehensive syllabus encompassing both theoretical and practical aspects of Information Technology.

Achievements:

- Achieved an A+ grade, demonstrating excellent understanding and application of IT concepts.
- Scored 91% in final examination.
- Completed several projects showcasing practical IT skills and knowledge.
- Participated in IT-related competitions and workshops, earning recognition.
- Collaborated effectively on team projects, demonstrating teamwork and communication abilities.
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- Key Subjects:
- IT Systems and Applications: Studied the components and functioning of IT systems, including hardware, software, and network infrastructure.
- Data Management and Information Systems: Gained insights into data storage, management, and retrieval systems. Learned about database design, SQL, and the role of information systems in businesses.
- Networking and Communication: Explored network types, topologies, protocols, and security measures. Developed skills in configuring and managing network environments.
- Project Management: Learned about the principles and methodologies of managing IT projects, including planning, execution, and evaluation.
- Cybersecurity: Studied the principles of cybersecurity, including threat analysis, risk management, and protective measures to safeguard information.
- Software Development: Gained practical experience in developing software applications using various programming languages and development tools.
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- Projects and Practical Work:
- Developed and managed IT projects that involved creating and maintaining databases, network configurations, and software applications.
- Conducted hands-on experiments and practical exercises to apply theoretical knowledge to real-world scenarios.
- Skills Acquired:
- Proficiency in IT systems and applications.
- Strong understanding of data management and database design.
- Ability to design, implement, and manage network infrastructures.
- Project management skills, including planning and execution.
- Knowledge of cybersecurity principles and practices.
- Experience in software development and programming.

Curriculum Overview: Covered a comprehensive syllabus focusing on advanced mathematical concepts and techniques.

Achievements:

- Achieved an B grade, demonstrating excellence in understanding and application of pure mathematics. Scored 73% in examination.
- Participated in mathematics competitions and olympiads, earning top positions.
- Collaborated on team projects and study groups, showcasing teamwork and communication skills.
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Key Subjects:

- Algebra and Functions: Explored polynomial, rational, exponential, and logarithmic functions. Studied algebraic manipulation and equation solving.
- Coordinate Geometry: Analyzed the geometry of lines, circles, and parabolas in the Cartesian plane. Sequences and Series: Studied arithmetic and geometric progressions. Learned techniques for summing series and finding limits.
- Trigonometry: Gained a deep understanding of trigonometric functions, identities, and equations. Calculus: Developed proficiency in differentiation and integration, including techniques for finding areas under curves and solving differential equations.
- Vectors: Studied vector algebra and its applications in geometry and physics.
- Complex Numbers: Explored the arithmetic and geometric interpretation of complex numbers. Mathematical Proof: Learned various methods of proof, including direct proof, contradiction, and induction.
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- Skills Acquired:
- Strong analytical and problem-solving skills.
- Ability to apply mathematical concepts to solve complex problems.
- Proficiency in mathematical reasoning and logical thinking.
- Capability to work with abstract concepts and develop rigorous arguments.

Software Engineer

May 2024 - Present

Melsoft Academy, Johannesburg

Program Overview: Completed an intensive software engineering program at Melsoft Academy, focusing on practical skills and industry-relevant knowledge.

Key Subjects and Modules:

- Programming Fundamentals: Learned the basics of programming languages such as Python, Java, or C++, including syntax, data types, and control structures.
- Object-Oriented Programming: Explored the principles of object-oriented programming (OOP) and its application in software development.
- Web Development: Gained proficiency in front-end and back-end web development technologies such as HTML/CSS, JavaScript, and frameworks like React or Angular.
- Database Management: Learned about database design, SQL querying, and database management systems such as MySQL or PostgreSQL.
- Software Development Lifecycle: Studied the various stages of the software development lifecycle (SDLC), including requirements analysis, design, implementation, testing, and deployment.
- Version Control: Acquired skills in using version control systems like Git for collaborative software development.
- Software Testing: Learned different testing techniques and tools to ensure the quality and reliability of software applications.
- Agile Methodologies: Familiarized with Agile methodologies such as Scrum or Kanban for iterative and incremental software development.
- Projects and Practical Work:
- Completed hands-on projects and assignments that simulated real-world software development scenarios. Collaborated with peers on team projects, gaining experience in agile development practices and teamwork.

- Developed a portfolio of software projects showcasing proficiency in various technologies and skills learned during the program.

Skills Acquired:

- Proficiency in multiple programming languages and development technologies.
- Strong understanding of software engineering principles and best practices.
- Ability to design, develop, and deploy software applications.
- Experience with collaborative development using version control systems and agile methodologies.
- Problem-solving and analytical skills essential for software engineering roles.

Achievements:

- Successfully completed the software engineering program with distinction.
- Demonstrated excellence in coursework and practical assignments.
- Received positive feedback from mentors and instructors for contributions to class projects and discussions.

Actively participated in workshops, hackathons, or coding competitions, showcasing dedication and

- passion for software engineering.

Teamwork

Research Skills

Boot Camp

Software Industry

Bootstrap (Framework)

Copywriting

Python (Programming Language)

Cascading Style Sheets (CSS)

Strategic Planning

SKILLS

Responsive Web Design

Software Development

Back-End Web Development

JavaScript

Front-End Development

HTML

LANGUAGES

English

Zulu