

PRAISE ALECKS GAVI

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EDUCATION

Grambling State University, Grambling, Louisiana

Bachelor of Science in Computer Science and Mathematics

Expected Graduation Date: May 2028

Computer Science and Actuarial Science Double Major

Certifications: Microsoft Azure Cloud Services (AZ-900) | Microsoft Artificial Intelligence (AI-900) | Microsoft Security, Compliance (SC-900) | ALX Africa Full Stack Software Engineering | GDSC DevOps in Web Development | Cisco NDG Linux

Relevant Coursework: Data Structures, Algorithms, Computer Organization and Architecture, Database Systems, Networking

TECHNICAL SKILLS

Proficiency in Microsoft Suite (Word, PowerPoint, Excel, Teams), **Git, Azure, Docker, Trello, Slack, Discord**

Programming languages: Python, C, PHP, Java, HTML, CSS, SQL, C#, JavaScript, React, Bash/Shell Scripting, R.

WORK EXPERIENCE

Onelife Aqua and Recreational Centre, Harare, Zimbabwe

February 2024– June 2024

Full Stack Software Engineer (Freelance)

- Developed a **chatbot** for One Life Apparel Shop, streamlining 34 suppliers and 200+ customer interactions, sales tracking, profit analysis, and stock management increasing operational efficiency and boosting customer inquiries.
- Developed a **Member Management System** with a user base of 530 users for One Life Swimming Academy, enhancing attendance tracking accuracy, coaching assignments and promptly recording payments, resulting in a 34% reduction in arrears.
- Designed and developed a **One Life Swimming Academy website**, offering lesson booking, payment processing, and integrated marketing for the apparel shop resulting in a 23% increase in the overall company's revenue within the first quarter of its launch.

Neovertext Solar and Borehole Investments, Harare, Zimbabwe

May 2024- June 2024

Web Developer and Graphics Designer (Freelance)

- Designed and developed a website for Neovertext Investments
- Maintained website functionality and responsiveness; implemented SEO resulting in a higher ranking in SERPs, more traffic, and boosted visibility.
- Designed Company profile, posters, and fliers; created a Google My Business profile for Neovertext Solar and Borehole to boost social media and local presence.

Grambling State University, LaSPACE, and NASA MSFC

Sept 2024- Jan 2025

Research Assistant (Mathematics and Physics Department)

- Conducted research on the fabrication of novel nanomaterials using nanosecond laser technology to achieve in-situ resource utilization, particularly for constructing infrastructure on the Moon.
- Performed statistical analysis using a two-tailed hypothesis test to evaluate the size-concentration relation.
- Utilized R and R-Studio to capture data and conducted regression and correlation tests to analyze how varying temperature affects liquid surface tension and consequently controls the size of laser plume nanoparticles.

RELEVANT PROJECTS

Algorithmic Trading Bot Development | [GitHub](#)

December 2024 - Present

- Currently implemented Trading Algorithm using Python and MQL5 and applied the Kelly criterion for optimal lot management to balance risk and reward effectively.
- Currently implementing AI and machine learning to analyze market trends and signals and scrape top traders' strategies from VCG Markets, adapting the bot's strategy accordingly.

Student Off-Campus Accommodation Web Platform | [GitHub](#)

January 2024 – May 2024

- Developed a robust web platform to facilitate Student off-campus accommodation and admin management section for almost 3,000 students at Harare Institute of Technology (HIT200) with a secure payment integration. Utilized PHP, JavaScript, and HTML/CSS for both backend and frontend, as well as MySQL for database management.
- Streamlined team collaboration by implementing Git workflows, resulting in an increase in development efficiency and ensuring seamless integration of features across the platform.

Simple UNIX Command Line Interpreter | [GitHub](#)

June 2023 – July 2023

- Developed a simple C shell with custom commands. Implemented features like command parsing, execution, and basic shell functionalities.
- Collaborated with team members using Git for version control and Slack.

Golf Club Membership Management System | [GitHub](#)

March 2023- April 2023

- Developed a Golf Club membership management system using C# and SQL (Visual Programming)

RELEVANT ACHIEVEMENT & AWARDS

- GSU Presidential Scholarship | New Seasons Youth Program Scholar | EduUSA Opportunity Fund
- Huawei ICT Computer Network Track, Africa Regionals (2023-2024)**
- Transerv Zimbabwe Business Competition, 1st place (Nov 2023)**

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Grambling State University Chess Club, Captain | National Society of Black Engineers (NSBE), member

CodePath, Scholar | ColorStack, member | Goldman Sachs Possibilities Summit, Scholar

Thurgood Marshall College Fund x CITI, Scholar | Google Developer Student Club, Member