

Chimdi Chikezie

Corvallis, Oregon | 503-757 7087 | chikeziechimdi@gmail.com | [GitHub](#)

EDUCATION AND HONORS

Oregon State University, Corvallis, Oregon.

January 2022 – March 2024

Master of Science, Computer Science – GPA: 3.73

Michael Okpara University, Umudike, Abia.

December 2013 - August 2017

Bachelor of Science, Computer Science

TECHNICAL SKILLS

Tools and Frameworks: Python, C++, Perl, TCL, APIs, Python (PyTorch, TensorFlow, SQL, NoSQL, PySpark, Databases (MySQL, Cassandra), Agile (via Jira), Version control (Git/GitLab).

PROJECTS - [GitHub](#)

Weather APP

- Engineered a Python-based weather application, integrating APIs to fetch and display real-time weather data, enhancing user access to timely and accurate weather forecasts.
- Implemented features for weather trend analysis and alerts, significantly improving user engagement and providing vital information to 30+ daily active users.

Credit/Debit Card Verifier

- Developed a Python-based credit card validation tool, implementing algorithms like Luhn's to authenticate credit card numbers effectively, enhancing transaction security.
- The tool successfully validated 5 credit card numbers daily, reducing fraudulent transactions and increasing reliability in payment processing systems.

Basketball Game

- Developed a score tracking system for basketball games, aiding performance analysis across 10+ games for coaches and fans.
- Streamlined score entry with a user-friendly interface, adopted by 4+ clubs for game tracking.

WORK EXPERIENCE

Graduate Teaching Assistant | Oregon State University, Corvallis, Oregon.

January 2022 – Present

- Coordinated and developed QA plans for over 10 major software projects during implementation and validation, ensuring industry standard compliance and best practices.
- Enhanced software quality with innovative debugging techniques, achieving a 30% boost in performance by efficiently resolving critical issues.
- Directed maintenance for a portfolio of 5+ software products, leading to a notable 25% increase in system reliability and user satisfaction.
- Facilitated cross-functional team collaborations, significantly boosting project alignment with tech and organizational goals, and enhancing project delivery efficiency by 20%.

Software Engineer | Silicon Africa Tech.

June 2021 – December 2021

- Led the design and successful deployment of over 5 complex relational database systems, enhancing data processing efficiency by 50%, crucial for digital innovation project management.
- Developed and optimized over 100 advanced SQL queries, resulting in a 40% increase in efficiency for data manipulation tasks, supporting our tech entrepreneurs' analytics needs.
- Managed the user interface and administration for 10+ database systems, substantially improving system performance and user experience, aligned with Silicon Africa's digital platform requirements.
- Engineered and applied diverse data structures in more than 20 applications, achieving a 45% improvement in data storage efficiency and computational speed, vital for supporting the development of scalable tech solutions in Africa.

VOLUNTEERING AND AWARDS

Pre-Collegiate Chair | National Society of Black Engineers (NSBE)

September 2023 - December 2024

- Fostered STEM engagement and expanded membership by 10%, leveraging organizational and communicative expertise.
- Actively engage in bi-monthly board meetings, driving alignment with NSBE's strategic goals and member engagement.
- Connect students with academic and career opportunities by sharing scholarships and internships.

Mobile App Development Club:

- Created and maintained comprehensive technical documentation for database schema, data flows, and SQL scripts, ensuring easy understanding and future reference for the development team on GitLab.

Bryant-Morgan Scholarship

- Honored for outstanding academic achievement, leadership and significant positive impact on the Black Community at Oregon State University.