ENOCH LINDEMAN

Software Engineer / CAD Tool Developer
Cofounder & Owner, by The Lindemans, LLC

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in www.linkedin.com/in/enoch-lindeman 📍 San Diego, CA

SUMMARY

Versatile Software Engineer with over 3 years of experience developing infrastructure tools using C++ and Python for high-performance systems. Expertise in creating scalable CAD tools for system-on-chip (SoC) design flows, with a strong background in algorithm optimization and database management. Passionate about reducing design cycle time and improving system efficiency through data-driven solutions and collaboration with cross-functional teams.

EXPERIENCE

Software Engineer — Tolleson Union High School District
📅 Jun 2022 – Ongoing 📍 Avondale, AZ

Developed C++ and Python tools for system performance monitoring
- Designed and implemented custom Python scripts for monitoring system performance and optimizing hardware utilization.
- Integrated C++ modules to handle large data sets and perform real-time analysis, reducing processing times by 25%.

Collaborated on the development of CAD tools for chip design
- Developed tools for automating design tasks, reducing manual errors and improving design cycle time by 15%.
- Worked closely with cross-functional teams to ensure tool compatibility with existing design environments.

Owner & Software Developer — by The Lindemans
📅 Dec 2022 – Ongoing 📍 Glendale, AZ

Created backend tools using C++ for high-performance applications
- Developed and maintained backend solutions for large-scale data processing using C++ and Python.
- Implemented optimized algorithms for data retrieval and processing, cutting query times by 30%.

Improved system infrastructure with efficient database solutions
- Designed and deployed database solutions for storing and retrieving high-volume, real-time data.
- Collaborated with the IT team to maintain system performance and reduce downtime during high-traffic periods.

Mission Technology Specialist — The Church of Jesus Christ of Latter-Day Saints
📅 May 2020 – May 2022 📍 Syracuse, NY

Designed and developed custom software solutions for system optimization
- Led the development of a C++ toolset for system diagnostics and optimization, reducing latency in data processing tasks.
- Implemented Python-based automation scripts to improve operational workflows.

Maintained high-performance infrastructure for real-time systems
- Monitored and resolved system bottlenecks in real-time environments, improving performance by 20%.
- Collaborated with technical teams to ensure seamless integration of system tools.

EDUCATION

Bachelor of Science in Technological Entrepreneurship and Management — Arizona State University
📅 Expected May 2026 📍 Online
- Current GPA: 4.0
- Relevant coursework includes CAD tool development, algorithm optimization, and high-performance computing.

Associate of Science in Computer Science — Rio Salado College
📅 August 2024 📍 Tempe, AZ
- Graduated Summa Cum Laude, GPA: 3.9
- Focus on C++, Python, and database systems for real-time applications.

SKILLS

C++ | Python | SoC Design Flows | Algorithm Optimization | Database Solutions | ASIC Design | System Diagnostics | Real-time Data Processing | CAD Tool Development | Cross-functional Collaboration