



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

Jun 2022 – Ongoing

Tolleson Union High School District

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

Dec 2022 – Ongoing

by The Lindemans

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

May 2020 – May 2022

The Church of Jesus Christ of Latter-Day Saints

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

Expected May 2026

Arizona State University

Online

- Current GPA: 4.0
- Relevant coursework includes CAD tool development, algorithm optimization, and high-performance computing.

Associate of Science in Computer Science

August 2024

Rio Salado College

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