# **ENOCH LINDEMAN**

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

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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

**Arizona State University** 

Online

Expected May 2026

· Current GPA: 4.0

• Relevant coursework includes CAD tool development, algorithm optimization, and high-performance computing.

#### Associate of Science in Computer Science

August 2024

• 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