

LUCIO SURCO TAYPE

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SUMMARY

Business Administration professional transitioning into software development. Experienced in teamwork, cross-disciplinary collaboration, and client-focused problem solving. Currently training at Hive Helsinki, gaining hands-on experience in low-level C/C++ programming, system design, and creating software solutions.

TECHNICAL SKILLS

Languages: C, C++, Go, Python, JavaScript **Databases:** MySQL, MariaDB
Tools & Technologies: Git, Github Actions, Github, Docker, Linux, Bash

PROJECTS

Price Order Matching

- Developed an order stock matching engine in C++ with price-time priority. Main goals were to develop an application that was optimized to deliver accurate results. It was connected to a frontend in React/Next.js using REST API

Telemetry System

- In C++, created a multithreaded telemetry system engine that reads information on real time from simulated sensors and process the data through a command-line monitor.

Custom Unix Shell

- Wrote in C a program that replicates core functionality of bash. Focused on memory safety, handling signals properly across different calls, and correct management of pipes and FDs.
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EDUCATION

Software Engineering programme

April 2025 - present

Hive Helsinki

- Core curriculum focused on C/C++, algorithms, data structures, and low-level system programming through project-based, peer-to-peer learning

Bachelor of Business Administration

Aug 2019 - Dec 2022

Tampere University of Applied Sciences

- Major in Finance and Business Development
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PREVIOUS EXPERIENCE

Administration & Entrepreneurship

- Spearheaded raw material exports from Peru to Europe/China and consulted on market expansion strategies for Peruvian firms.
- Managed sales data, communication with stakeholders, and internal workflow improvements.
- Developed internal business solutions during a project-based internship to streamline company operations.