JOB DESCRIPTION

I. General information	
Job Titile	Rust Intern Engineer
Department	Research and Development
Direct manger	CTO
Number of recruitment	5

FOCUS AREAS

IoT Networking, Wi-Fi Mesh, Decentralized Networks, Streaming, and AI at Edge Computing

ABOUT LUMI LAB

Lumi Lab is a cutting-edge research and development lab focused on building next-generation decentralized networking, streaming, and AI at the Edge solutions. Our work revolves around IoT, networking protocols, AI integration, and wireless mesh technologies. As part of Lumi Lab, you'll have the opportunity to work on projects that shape the future of connectivity and Edge AI, all while learning from experienced engineers and researchers.

Current Projects at Lumi Lab:

Decentralized Relay Network for IoT Systems: Developing a decentralized relay network that enables IoT devices to communicate more securely and efficiently, even in environments with limited or intermittent connectivity.

P2P Wi-Fi Mesh: Building a peer-to-peer Wi-Fi mesh network that can extend wireless coverage and provide robust connectivity across a wide area without relying on centralized infrastructure.

AI for CCTV Systems: Integrating AI at the Edge for real-time video analysis in CCTV systems, enabling smart monitoring, object detection, and predictive analytics on limited hardware.

JOB DESCRIPTION

As a Rust Intern Engineer, you'll work closely with our research team on advanced IoT networking, Wi-Fi Mesh, decentralized network, and AI at Edge computing projects. You'll be involved in cutting-edge research, experimenting with Rust and other technologies to explore solutions that can drive the future of IoT and AI systems.

Key Responsibilities:

Assist in researching advanced networking protocols, decentralized systems, and AI models optimized for Edge computing.

Participate in prototyping, experimentation, and testing of innovative ideas for IoT networks, Wi-Fi Mesh, and decentralized solutions.

Conduct performance analysis and simulations to evaluate the efficiency of proposed solutions in real-world scenarios.

Collaborate with senior researchers and engineers to explore and experiment with Rust-based code for high-performance, safety-focused applications.

Document findings, approaches, and outcomes for internal research papers and technical reports.

Support in exploring new AI techniques for video analysis and edge AI applications, such as object detection for CCTV systems.

Learn and adapt to emerging technologies, contributing ideas during brainstorming sessions and group discussions.

III. BENEFITS
Hands-on experience with real-world IoT, AI, and networking projects.

V. REQUIREMENTS
Currently pursuing a degree in Computer Science, Electrical Engineering, or related fields at a partner university.

V. EMAIL'S ADDRESS: hr@lumi.vn

WORK HOURS
- Flexible time: 8h/days

OFFICE
Research and Development Department