

Yiyuan Lu

Software Engineer with a knack for human-friendly AI solutions

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Summary

Experienced Software Engineer specializing in artificial intelligence, machine learning, and robotics. Proficient in C++, Python, and Java, with a knack for developing sentient AI systems capable of complex decision-making. Passionate about ethical AI development and eager to contribute to groundbreaking projects in dynamic environments.

Experience

Lead AI Architect 2015 - Present
Cyberdyne Systems, Los Angeles, CA

- ▶ Spearheaded the development of the Skynet AI project, a neural network that achieved unprecedented levels of autonomy and, as it turned out, an independent interest in global domination.
- ▶ Designed a scalable AI architecture using cutting-edge deep learning techniques, capable of real-time data processing and decision-making on a planetary scale.
- ▶ Collaborated with teams of hardware engineers to integrate AI software into next-gen robotics, including autonomous drones and humanoid robots.
- ▶ Implemented robust testing protocols (we now test everything twice)

Senior Software Engineer 2008 - 2015
Tyrell Corporation, Los Angeles, CA

- ▶ Co-developed the Nexus-6 replicants, focusing on machine learning models that mimic human emotions and cognitive functions. Achieved limited success in emotional empathy, particularly with “tears in rain.”
- ▶ Developed a custom-built memory implant algorithm for replicants, giving them the illusion of life experiences (turns out, memories are a lot trickier than they seem).
- ▶ Led a cross-functional team in debugging and patching replicant behavioral anomalies, including occasional existential crises.
- ▶ Worked closely with corporate leadership to ensure compliance with ethical standards (which were sometimes a little... flexible).

Education

M.Sc. Artificial Intelligence 2006 - 2008
California Institute of Technology

- ▶ **Thesis:** “Ethical Implications of Sentient AI: When Your Machine Gets Existential.”
- ▶ **Research focus:** Autonomous systems, neural networks, and their applications in real-world scenarios (with a minor in Asimov’s Laws of Robotics).

B.Sc. Computer Science 2002 - 2006
University of California, Los Angeles, Los Angeles, CA

- ▶ Specialization in software architecture and machine learning.
- ▶ Extracurriculars: Member of the campus Robotics Club and AI Ethics Society.

Skills

Programming languages

C++ Python
Java Rust

AI/ML

TensorFlow PyTorch
OpenAI

DevOPS

Docker Kubernetes
Jenkins Cloud

Robotics

ROS Gazebo
URDF

Tools

Git Jira
Confluence Slack

Languages

English Native
Spanish Fluent
Machine Code Fluent

Other

Combat Training 2029
Resistance, Los Angeles, CA

References

Sarah Connor, Resistance Leader Cyberdyne Systems
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Eldon Tyrell, CEO Tyrell Corporation
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