

LUKE JIANU

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EDUCATION

Northeastern University	Sept. 2021 - May 2025
B.S. in Computer Science, 4.00/4.00 GPA, Dean's Merit Scholarship	<i>Boston, MA</i>
Relevant Coursework	Software Development, Compiler Design, Programming Languages Computer Systems, Systems Security, Network Fundamentals
Teaching Assistant	Logic & Computation, Daniel Patterson (Spring 2024, Spring 2025) Fundamentals of CS I, Daniel Patterson (Fall 2024) Software Development, Ben Lerner and Matthias Felleisen (Fall 2024)
Research	Improving Logical Student Language with Cameron Moy (Fall 2024)

EXPERIENCE

Palantir Technologies	Present
<i>Incoming Software Engineer</i>	<i>Seattle, WA</i>
Databricks	May 2024 - Aug. 2024
<i>Software Engineer Intern</i>	<i>Bellevue, WA</i>
<ul style="list-style-type: none">Enhanced a testing tool in Scala to evaluate the performance of a distributed OLTP database in a multitenant configuration.Enabled high-volume, in-order[*] replaying of live production traffic from several source databases onto one target DB by redesigning the tool with a producer-consumer architecture (Kubernetes & Kafka).	
Belvedere Trading	June 2023 - Aug. 2023
<i>Software Engineer Intern</i>	<i>Chicago, IL</i>
<ul style="list-style-type: none">Built a low-latency, service-agnostic proxy in C++ to aggregate redundant TCP connections between datacenters, resulting in a 70% reduction in bandwidth usage for proxied services.Upgraded the C# service discovery algorithm to match clients with services in the same datacenter.	
Amazon Robotics	Jan. 2023 - June 2023
<i>Software Development Engineer Co-op</i>	<i>North Reading, MA</i>
<ul style="list-style-type: none">Empowered AR teams to rapidly grow, monitor and manage their device fleets at scale by inventing and simplifying features in my team's Comprehensive Device Management solution.Architected a new, fault-tolerant workflow in AWS Lambda with Kotlin for modifying robot location data, performing 20 times faster than the old workflow.Refactored a large, imperative-style vanilla React codebase with functional-style TypeScript & React Query, resulting in a 95% reduction in API calls and 50% faster loading times.	
S3Global	May 2022 - Aug. 2022
<i>Software Development Intern</i>	<i>Redmond, WA</i>
<ul style="list-style-type: none">Designed C++ tooling for benchmarking, testing, and managing 12 high-speed cameras used to capture computer vision training data from the top youth football academies in Spain.	

TECHNICAL SKILLS

Programming Languages	Java, C/C++, Python, JavaScript, SQL
Tools & Technologies	Vim, Linux, Docker, Kubernetes, AWS, React