

LUKE JIANU

+1(425) 229-1106 ◇ jianuluke@gmail.com ◇ [github/lukejianu](https://github.com/lukejianu) ◇ [linkedin/lukejianu](https://www.linkedin.com/in/lukejianu)

EDUCATION

Northeastern University Sept. 2021 - May 2025
B.S. in Computer Science, 4.00/4.00 GPA, Dean's Merit Scholarship *Boston, MA*

Relevant Coursework Software Development, Compiler Design, Programming Languages
Computer Systems, Systems Security, Network Fundamentals

Teaching Assistant Logic & Computation, [Daniel Patterson](#) (Spring 2024)
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
Incoming Software Engineer *Seattle, WA*

Databricks May 2024 - Aug. 2024
Software Engineer Intern *Bellevue, WA*

- 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
Software Engineer Intern *Chicago, IL*

- 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
Software Development Engineer Co-op *North Reading, MA*

- 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
Software Development Intern *Redmond, WA*

- 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