

# LUKE JIANU

+1 (425) 229-1106 ◇ jianuluke@gmail.com ◇ github/lukejianu ◇ linkedin/lukejianu

## EDUCATION

---

### Northeastern University

Sept. 2021 - May 2025

B.S. in Computer Science, 4.00/4.00 GPA

*Boston, MA*

#### **Relevant**

Object-Oriented Design, Algorithms & Data, Fundamentals of CS I & II

#### **Coursework**

Database Design, Foundations of Data Science, Foundations of Cybersecurity  
Logic & Computation, Discrete Mathematics, Mathematics of Data Models

## EXPERIENCE

---

### Belvedere Trading

Jun. 2023 - Aug. 2023

*Incoming Software Engineer Intern*

*Chicago, IL*

- Enhancing Belvedere's high-performance, low-latency proprietary technology.

### Amazon Robotics

Jan. 2023 - Jun. 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.
- Designed a device timeline feature, providing troubleshooting insights for **30k+ devices**. This feature was vendored as an AWS CDK construct, built with AWS Lambda, Dynamo, and IoT resources.
- Architected a move device system in AWS Lambda with Kotlin, enabling teams to provision robotic workcells in test sites, saving **1000+ hours** of software installs yearly for IT at production sites.
- Refactored a large, imperative-style vanilla React codebase with functional-style TypeScript & React Query. Further DX improvements included the addition of ESLint, Prettier, and developer docs.
- Optimized UI speed and usability by **200%** by caching customer selection from previous sessions, using React Router to remove page reloads, and adding URL params to replicate state when sharing links.

### S3Global

May 2022 - Aug. 2022

*Software Development Intern*

*Redmond, WA*

- Built a .NET application to interface with high-speed cameras, implemented using WPF in C# and C++ interop with the camera's SDK to dump frames into shared buffers for video streaming.

### Seattle Sport Sciences

May 2021 - Aug. 2021

*Intern*

*Redmond, WA*

- Conducted data trials for cloud-based AI/ML analysis of **30+ soccer matches**, while also performing maintenance and troubleshooting for camera hardware, network connections, and deployment tools.

## PROJECTS

---

### NUCarpool

Sept. 2022 - Present

*Software Developer at Sandbox*

*Boston, MA*

- Developing a web app using the T3 stack for Northeastern students to find co-op carpool groups.

### Trading Bot

Jul. 2022

*Participant at Jane Street's Electronic Trading Challenge*

*Seattle, WA*

- Traded securities using bond penny-pinching and ADR and ETF arbitrage strategies implemented in Python, ultimately placing **10<sup>th</sup> out of 32 teams**.

## TECHNICAL SKILLS

---

### Computer Languages

Python, Java, JavaScript, TypeScript, SQL

### Tools & Technologies

Vim, Git, AWS, Docker, React, Prisma, Flask