

Benjamin Kleyner

benkleyner@gmail.com | (310) 948-5156 | linkedin.com/in/bykleyner | benkleyner.github.io

EDUCATION

Carnegie Mellon University

August 2023 – May 2027

Bachelor of Science in Computer Science, Minor in Computer Systems, GPA: 3.9/4

Coursework: Data Structures and Algorithms, Computer Systems, Machine Learning, Parallel Computer Architecture, Compiler Design

PROFESSIONAL EXPERIENCE

Stripe

May 2026 – August 2026

Software Engineer Intern

Seattle, WA

- Built a MongoDB-backed event history system ingesting approximately 200K records per day, enabling scalable retrieval of billing alert lifecycle events across high-volume notification workflows
- Developed a Ruby event-bus consumer to send threshold notifications with less than 1 second latency, decreasing risk of delayed customer automation in balance-sensitive credit replenishment and de-provisioning flows
- Removed 10K+ lines of dead code across production billing services, reducing maintenance burden and simplifying legacy ownership for the Usage-Based Billing team
- Evaluated an internal AI coding harness for team adoption, supporting developer productivity improvements and slashing costs for AI-assisted engineering workflows by up to 50%

Amazon Web Services

May 2025 – August 2025

Software Development Engineering Intern

Arlington, VA

- Designed an AWS Lambda and S3-based content freshness detection system for regulatory compliance, cutting manual updates by 90% across 100+ sources
- Boosted document repository coverage by 25% using Amazon Bedrock's Agentic AI to automatically find and incorporate new compliance documents across AWS content
- Developed PDF and HTML parsers incorporating deduplication and hashing techniques with 97% accuracy in detecting changes within extensive documents

Insitro

May 2024 – August 2024

Software Engineering Intern

South San Francisco, CA

- Reduced repetitive notifications by 45% through Python implementation of intelligent filtering algorithm
- Attained a 40% reduction in processing time of genome sequencing data through optimization of AWS data pipelines and parallel processing techniques
- Implemented AWS OpenSearch index, speeding up biological compounds database query time by 75%

PROJECT EXPERIENCE

EmBrnt

February 2025

Software Engineer

Pittsburgh, PA

- Built a real-time fire prediction system using a UNet and PointNet++ particle filter, achieving 87% accuracy on simulated satellite data, winning 1st place out of 176 teams at TartanHacks 2025
- Designed SPAGHETTI, a novel decentralized ergodic planner improving agent overlap by 42% vs. baseline

LEADERSHIP EXPERIENCE

CMU Interfraternity Council

January 2026 – Present

VP of Communications and Finance

Pittsburgh, PA

- Oversaw IFC budget planning across 8 fraternity chapters, supporting financial operations for 400+ members in CMU Greek life
- Managed allocation of \$10,000 in council funding across chapter programming, risk management, recruitment, and community-wide initiatives

Alpha Epsilon Pi, Alpha Kappa

November 2024 – May 2026

President, Vice President, Treasurer

Pittsburgh, PA

- Managed annual budget of \$160,000 to organize and sponsor activities for 60+ members
- Assumed presidency mid-term after leadership vacancy, maintaining operations for 60+ members across finance, housing, recruitment, philanthropy, and chapter programming

ADDITIONAL EXPERIENCE

- **Technical Skills:** Python, C, C++, Java, Ruby, React, TypeScript, AWS, Google Maps API, Go, Rust, SQL