

Luke Young

[GitHub](#) ◇ [LinkedIn](#) ◇ [Personal Site](#) ◇ (646) 574-2276 ◇ lry2@georgetown.edu

SKILLS

- Python, C++, C#, REST API, .NET Framework, AWS, Microsoft Azure, GCP, MySQL, SQLite, Kafka, Docker, Git, VIM, Bash, Eclipse, PowerShell, MariaDB, XAML, WPF, Groovy, Pydantic, AppleScript, Cron, MacOS

WORK EXPERIENCE

Quikirr

New York, NY

Software Engineer Intern

May 2024 – Sept 2024

- Developed a "Recurring Revenue Analysis" system for Quikirr's SaaS financial analytics platform, reducing processing time from 3 days to under 15 seconds.
- Spearheaded development of a WACC DCF module within Quikirr's Excel suite, automating financial modeling and reducing tab generation time from 2 hours to less than 5 seconds.
- Engineered an AI-driven data analysis pipeline for contextual interpretation, cutting financial insight generation time from 4 hours to under 90 seconds.
- Developed an automated chart generation system integrated with ThinkCell's API, streamlining creation of professional-grade visualizations and PowerPoint exports.

Technologies Used: C#, XAML, MVC pattern, COM interop, JSON, LLMs, ThinkCell API

Ava (Secretary.my)

New York, NY

Co-founder & Software Engineer

Aug 2024 – Present

- Built and launched an AI-powered scheduling platform, achieving 20 paying subscribers within 3 days of launch and managing 10,000+ site visits
- Engineered a natural language processing system with Pydantic models that converts user queries to SQL, improving scheduling efficiency by 80%
- Developed a real-time analytics dashboard and automated reporting system using Bash, gnuplot, and SQLite, driving product decisions that increased user retention by 40%
- Architected scalable infrastructure on a bootstrap budget, maintaining 99.9% uptime while handling thousands of daily active users

Technologies Used: Bash, gnuplot, MongoDB, SQLite, Pydantic, AppleScript, Cron, MacOS

M_VIS

New York, NY

Co-founder & Software Engineer

May 2024 – Sept 2024

- Built an audio visualization tool that cut Hollywood production costs by 92.5% through automated video generation
- Engineered StyleGAN and Stable Diffusion models to create music-responsive videos

Technologies Used: Python, StyleGAN, Stable Diffusion, Django, Digital Ocean, AWS

Jackpine Technologies

Maynard, MA

Software Engineer Intern

May 2023 – Aug 2023

- Automated QA testing with cloud-based scripts, increasing remote host state coverage by 5%
- Migrated Windows/Linux assets to JSON format and fixed false-positive tests, improving accuracy by 3%

Technologies Used: Bash, Java, PowerShell, JSON, Windows/Linux systems, Microsoft Azure, AWS, MariaDB

EDUCATION

Georgetown University

Washington, DC

B.S. in Computer Science

Expected May 2025

- GPA: 3.6/4.00

ACTIVITIES & ORGANIZATIONS

The New Oil

Washington, DC

Co-founder

Sep 2023 – Present

- Co-founded semiconductor/AI research club; organized events with Anduril and Trinity Cyber executives

AWARDS

- First Prize Winner in the Elite International Music Competition at Carnegie Hall (2018, 2019, 2020)
- Appointed as Lawrenceville House Prefect to oversee 50 students amid COVID-19 conditions.