

# Luke Young

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## EDUCATION

### Georgetown University

B.S. in Computer Science

Washington, DC

Expected May 2025

- GPA: 3.6/4.00
- Relevant Coursework: Algorithms, Data Structures, Systems Programming, Computer Networks, Network Security, Advanced C++ Programming, Linear Algebra, Multi-variable Calculus

## WORK EXPERIENCE

### m\_vis

New York, NY

Co-founder & Software Engineer

May 2024 – Present

- Co-founded and managed development of a cutting-edge audio visualization tool for Hollywood clients, saving customers thousands of dollars and eliminating the need to hire a large team of nearly 40 people by providing an extremely affordable solution with a team of 3.
- Implemented and customized StyleGAN and Stable Diffusion models to create abstract, fluid animations responsive to music, continuously improving based on client feedback.
- Developed a full-stack solution encompassing AI-driven video generation, real-time audio processing, and user interface design, including deployment on Digital Ocean-hosted web app and mobile platform using Django, and utilizing AWS to manage storage of output videos.

### Quikirr

New York, NY

Software Engineer Intern

May 2024 – Present

- Architected and implemented a “Recurring Revenue Analysis” system using C#, XAML, and MVC pattern, generating complex SaaS financial analyses in <15 seconds, reducing processing time from approximately 2-3 days to seconds.
- Spearheaded development of a WACC DCF module within Quikirr’s Excel suite, leveraging C# and COM interop to automate financial modeling, reducing tab generation time from approximately 2 hours to <5 seconds.
- Engineered an AI-driven data analysis pipeline utilizing JSON for data structuring and integrating LLMs for contextual interpretation, cutting financial insight generation time from approximately 4 hours to <90 seconds.
- Developed an automated chart generation system integrated with ThinkCell’s API, streamlining creation of professional-grade visualizations and PowerPoint exports for financial reporting.

### Jackpine Technologies

Maynard, MA

Software Engineer Intern

May 2023 – Aug 2023

- Developed and implemented cloud-based scripts to automate QA testing for smoke and reliability procedures, increasing coverage of remote host states by 5%.
- Used Bash and PowerShell to update 10 Windows/Linux assets, transitioning from a legacy parsing system to JSON, improving readability and company efficiency.
- Identified and remediated a false-positive test asset for Windows OS, improving test coverage accuracy by 0.3%.

## ACTIVITIES & ORGANIZATIONS

### The New Oil

Washington, DC

Co-founder

Sep 2023 – Present

- Co-founded The New Oil, a research and discussion-based club at Georgetown focusing on semiconductors, artificial intelligence, and geopolitics.
- Organized multiple speaker events featuring industry leaders such as Bret Perry (Associate BD Director at Anduril Rocket Motor Systems) and Steve Ryan (Founder & CEO of Trinity Cyber).

## SKILLS

- C#, Python, C++, XAML, WPF, .NET Framework, Git, VIM, Bash, Eclipse, PowerShell, Cloud Technologies, MariaDB, GUI, Groovy

## AWARDS

- First Prize Winner in the Elite International Music Competition at Carnegie Hall’s Weill Recital Hall (2018, 2019, 2020)
- Appointed as Griswold House Prefect to oversee a residence hall housing 50 students amid COVID-19 conditions.