

# Mitchell Katz

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## EDUCATION

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### Lehigh University

*Bachelor of Science in Computer Science and Business (Dual Degree)*

**University GPA:** 3.9 — **Honors:** Summa Cum Laude, RK Laros Endowed Prize for Entrepreneurship

Bethlehem, PA

*Completed May 2023*

## WORK AND PROFESSIONAL EXPERIENCE

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### ModCore Inc.

Mount Vernon, NY

ModCore Inc. specializes in software modifications ("mods") for the video game Minecraft. Its flagship product, [Essential](#), integrates a cosmetic store, social features, and pioneered direct world-joining between players without a dedicated server. Essential has gathered tens of millions of downloads and tens of billions of user-minutes globally.

*Founder & CEO*

*October 2018-July 2025*

- Grew operation from solo side project to a 20-person international team across seven departments, leading product direction and strategic planning throughout
- Managed six-figure annual budget, hiring, compensation, and all business operations including legal counsel, accounting, and payroll
- Pioneered peer-to-peer multiplayer through a Minecraft mod, eliminating the need for players to set up or pay for dedicated servers — a first in the modding ecosystem
- Negotiated CEO exit and partial sale of equity in 2024 following **25x revenue growth**; remained on board as strategic consultant before accepting an unsolicited all-cash offer for remaining equity in 2025

*Lead Developer & Data Scientist*

*October 2018-Jan 2024*

- Led twice-weekly standups for an eight-person developer team, signed off on all infrastructure and systems architecture, and facilitated implementation decisions with the product department
- Built proprietary telemetry pipeline to collect, aggregate, and visualize platform data in Grafana, enabling data-driven decision-making through KPI dashboards and evidence-based case studies presented to leadership
- Championed open-source initiative publishing industry-leading libraries and tools under permissive licenses, collecting 1,000+ GitHub stars and supporting the broader developer ecosystem; [SparkUniverse](#) — [Sk1erLLC](#)

### The Vanguard Group

Valley Forge, PA

*Lead Software Intern*

*June-August 2021*

- Architected and developed a backend API to generate an idealized, diversified portfolio for a client based on ten factors, including age, tolerance to risk, loss aversion, and interest in supporting socially responsible companies
- Led team of three interns, ensuring source code met Vanguard's standards for structure, test coverage, and business logic implementation

## SKILLS

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**Languages:** Kotlin, Java, C, C++, Python

**Databases:** MongoDB, PostgreSQL, Redis

**Technologies & Methods:** Git, CI/CD, Docker, Kubernetes, Grafana, Prometheus, OpenGL, Java ASM

**Cloud:** DigitalOcean

## ADDITIONAL

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**Judging & Speaking:** Judge at Lehigh Baker Institute's Thalheimer Grand Prize Pitch Competition (2026); featured alumni speaker at The Windward School's Dream Big event (2026)

**Media & Community:** Built a [YouTube channel](#) to 100,000+ subscribers and managed a 100,000+ member Discord community, both centered on Minecraft modding and software development

**Leadership:** Founding executive board member of Lehigh Coders Community, recruiting 350+ members and coordinating events with Microsoft, MongoDB, and Accenture; served on Alpha Epsilon Pi executive board for two years as Treasurer and Secretary