

# Kyle Yu

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## EDUCATION

**Boston University Faculty of Computing & Data Sciences;** Boston, MA

Jan 2023 – May 2026

*Bachelor of Science in Data Science*

*Minor in Computer Science*

*Cumulative GPA: 3.59*

*Honors: Dean's List (every semester)*

*Societies: Club Volleyball Vice President & Captain, 180 Degrees Consulting, Kappa Theta Pi (Tech Fraternity)*

## WORK EXPERIENCE

**Headstarter AI;** Long Island City, NY

July 2024 – Present

*Software Engineering Fellow*

- Building AI projects, participating in hackathons, and collaborating with other SWE fellows

**Milliman;** Orange County, CA

Nov 2022 – Jun 2023

*Actuarial Data Processing Intern*

- Milliman is a worldwide provider of actuarial and related products and services, helping their clients protect the health and financial well-being of people globally
- Developed 750+ dynamic, data-driven rate tables to calculate premiums, financial costs of risk, and uncertainty for both auto and homeowner insurance, establishing the foundation for future actuarial analysis
- Reviewed 500+ rate tables for technical accuracy in order to prepare work for eventual coded rate work

## PROJECTS

**Basketball Analysis System**

Jun 2024 – Present

- Uses machine learning, computer vision, and deep learning to analyze player performance and game dynamics
- Trained a custom object detector in YOLO using annotated detection data from Roboflow and implemented it in Python with enhanced accuracy in detecting players, referees, and basketballs
- Technologies used: Python, YOLO, OpenCV, Git

**Analyzing Policy Effectiveness in Minimizing COVID-19 Growth Rate**

Mar 2024 – May 2024

- Orchestrated the ETL process through a seamless data pipeline using Microsoft Azure technologies
- Applied logistic regression statistics in Python to determine policies reducing 30-day growth rates
- Designed insightful Power BI visualizations to evaluate and convey the effectiveness of COVID-19 policies that led to growth rate of deaths > 1% and growth rate of cases > 3%
- Technologies used: Microsoft Azure, Power BI, SQL/DAX, Python, GitHub

## EXTRACURRICULARS

**180 Degrees Consulting;** Boston, MA

Sep 2023 – Present

*Senior Consultant for Visible Hands*

- Focused on leveraging AI to democratize access to venture capital for underrepresented entrepreneurs, contributing to the firm's mission of fostering diversity and inclusion within the startup ecosystem
- Executed and presented a strategic slide deck outlining actionable AI-driven recommendations for enhancing due diligence and deal-sourcing processes, aimed at improving operational and investment efficiency

## SKILLS AND INTERESTS

Computer: Python, MS Azure, SQL, Power BI, MS Excel, Rust, Git

Interests: Volleyball, Basketball, Skiing, Fishing, Stocks, Crypto