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
- Developed a personal health IOS app, HealthHub. in React and Typescript for the first hackathon

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 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 Languages: Python, SQL, Rust, HTML, Typescript, React
Computer Tools: Microsoft Azure, Power BI, Git, MS Excel
Interests: Volleyball, Basketball, Philosophy Books, Skiing, Fishing, Traveling, Stocks, Crypto