

KYLE ZHANG

kyle100@wharton.upenn.edu | +1 971-206-1296 | <http://RiptideStar.com> | [LinkedIn](#)

Experienced in big data and computer science for 5+ years, I am an ambitious sophomore at UPenn interested in gameplay engineering and SWE as a career. I thrive on challenges, love to learn, and welcome creative thinking and innovation. Overall, I find deep passion in technology, fintech, business, athletics, transportation and more.

EXPERIENCE

Carenostics

Philadelphia, PA.

Product Development Intern

May 2023 – August 2023

- **Executed comprehensive QA analysis for physicians at Hackensack Meridian Health**, verifying and refining the accuracy of machine learning models to ensure reliable predictions and decisions.
- **Leveraged Google Cloud BigQuery and Compute Engine to write sophisticated code**, calculating and processing large-scale data for enhanced efficiency and insights.
- **Initiated and led the QA Automation Project at Carenostics**, identifying the potential for automation to save both time and resources for the startup.
 - **Outlined and conveyed the vision to the R&D department**, collaborating with engineers to design an automation tool that eliminates the need for human oversight in the QA process, resulting in significant time and cost savings.
- **Utilized SQL to extract and analyze specific data on patients, medications, drugs, and dosages**, enabling targeted insights and personalized care approaches.

Irrational Capital

Philadelphia, PA.

ML and Quantitative Research Intern

May 2023 – August 2023

- **Spearheaded and directed the Title Conversion Project, leading researchers in NLP analysis of over 100k Glassdoor job postings within Fortune 500 companies.** The insights gained directly informed R&D efforts, enhancing strategies that resulted in a 15% improvement in predictive accuracy, contributing to better investment decisions for both the firm and its clients.
- **Played a key role in refining four behavioral science and mathematical-based trading strategies**, coarse and fine-tuning the models after conducting comprehensive comparisons using 15+ statistical metrics to evaluate performance and effectiveness, contributing to informed decision-making and strategy optimization.

LineupsValorant

Remote

Co-Founder, CEO & Full Stack Software Engineer

July 2021 – August 2023

- **Spearheaded the founding, design, and development of the groundbreaking platform** that addresses a significant pain point for the Valorant gaming community, revolutionizing how players create, share, and search for lineups.
- **The platform has provided interactive, dynamic, and real-time support to over hundreds of thousands** of Valorant players worldwide, resulting in a significant increase in player engagement and improved gameplay experience. We have averaged 5k active users/day & [6k Upvotes on Reddit](#).

EDUCATION

University of Pennsylvania

Jerome Fisher M&T Dual Degree Program

BS Economics, The Wharton School & MS Computer Science, PennEngineering

- M&T Innovation Fund
- Wharton Undergraduate Entrepreneurship Club Technology Committee
- Athlete: UPenn Tennis
- UPenn Game Development and Research Club
- UPenn Autism Alliance Tennis Coach and Mentor

SKILLS

Leadership, Creative & Critical Thinking, Product Development, AI, ML, Python, Java, C++, C#, OCaml, Unreal, Unity