

ARPAN BAGUI

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EDUCATION

- University of Pennsylvania – The Wharton School, School of Engineering and Applied Science** *Philadelphia, PA*
• *Master of Science in Engineering*: Computer and Information Technology **May 2025**
• *Bachelor of Science in Economics*: Concentration in Statistics **December 2024**
• Cumulative GPA: 3.64/4.00
- King High School - International Baccalaureate Program** *Tampa, FL*
• SAT Score: 1580/1600 | ACT Score: 36/36 | Cumulative GPA: 4.00/4.00 **May 2020**
• Accomplishments: USA National Debate Team, National Merit Scholar, Lincoln-Douglas Debate Team Captain

TECHNICAL SKILLS and PROJECTS

Skills: Python (data science); Java (modular applications); HTML, CSS, JavaScript; Statistical analysis (regression and probability models); Financial Modeling (Excel); Azure Dev Ops and Jira for product management

- Cowboy Samurai – Programming Languages and Techniques Class**, Philadelphia, PA **April 2023**
• Built a basic 2D side-scrolling game using Java; utilized multiple data structures; multi-threading; and modular design
- Personal Website – Philadelphia, PA** **January 2023**
• Utilized React framework and CSS to create a personal website to archive projects and research (arpanbagui.com)
- Trading Algorithm – CryptoDash**, Philadelphia, PA **May 2021 – September 2021**
• Utilized web-scraping and APIs to develop an algorithm that bought or sold an asset based on social media sentiment

RELEVANT COURSEWORK

Programming Languages and Techniques; Modern Data Mining; Big Data Analytics; Applied Probability Models; Mathematical Foundations of Computer Science (**Teaching Assistant**); Data Structures and Software Design

EXPERIENCE

- BlackRock (Aladdin Tech) –Product Management Intern**, New York, NY **June 2024 – September 2024**
• Interviewed clients and internal stakeholders to uncover value propositions of our product that were not being communicated and then presented my findings to the top company management for use in future collateral
• Created a new view for ticket management and tech debt organization on Azure Dev Ops to accelerate ticket fulfilment and facilitate stronger coordination with the engineering team
- Caladan – Venture Capital Analyst**, Remote **January 2023 – May 2024**
• Informed investment decisions through in-depth market research and founder interviews in industries such as debt capital market exchanges, privacy layer solutions, and MEV capture protocols
• Forecasted startup enterprise values by performing regressions and applying probability models on market size
- Treehouse Finance – Product Management Intern**, Singapore, Singapore **June 2023 – August 2023**
• Applied a multi-factor risk analysis model (Fama-French) to ship a feature that provides portfolio managers analysis of where their return is coming from and provide appropriate hedging strategies
• Utilized data API calls and Black-Scholes pricing model to plot options volatility skew as additional metric for product
- VO₂ Sports-Crypto Startup – Co-Founder and COO**, San Francisco, CA **October 2021 – November 2022**
• Founded a blockchain-enabled engagement platform to enhance the sports fan experience
• Pitched to investors to raise \$400K at an 8M valuation, led partnership initiative with world-class MMA fighter Tony Ferguson to launch product, participated in Techstars startup accelerator to receive leadership and startup training

LEADERSHIP EXPERIENCE

- Delta Sigma Pi – Vice President** **September 2022 – Present**
• Managing operations and finances for co-ed business fraternity with 66 members, monitoring and maintaining a budget of over \$20K, managing and coordinating individuals to plan and host events (professional and social)
- Freaks of The Beat (Breakdancing Team) – President** **January 2023 – Present**
• Organized Penn's annual breakdancing jam that attracted over 80 dancers from across the world

INTERESTS

Breaking (aka breakdancing); blockchain and fintech; climate and sustainability; premier league