SURYA BAHUBALENDRUNI

CONTACT

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LANGUAGES & TOOLS

- Python
- Java
- C++
- C
- Javascript
- HTML
- CSS
- Arduino
- MongoDB
- MySQL
- Node.js
- Socket.IO
- Apache
- PHP
- Git

HONORS & AWARDS

- Big Data Award - Midwest Big Data Hackathon (Fall '16)
- Dean's List (Spring '15)
- National AP Scholar ('14)
- National Merit Scholar ('13)
- 2nd - Ohio Math Competition ('13)
- 4th - Ohio Math Competition ('12)
- 4th - Ohio Math Competition ('11)
- 2nd - Ohio Math Competition ('10)

EDUCATION

Washington University in St. Louis, Olin Business School   *Sept. '14 - May '18*
Bachelor of Science in Business Administration (BSBA)   *St. Louis, MO*

Majors: Economics & Strategy, Computer Science, and Mathematics with a track in Probability/Statistics
GPA: 3.57/4.0
Relevant Coursework: Finance, Game Theory, Accounting, Linear Algebra, Real Analysis, and Algorithms & Data Structures
Activities: Debater on the Washington University Debate Team and Recruitment Chair for Phi Gamma Nu Professional Fraternity

RELEVANT EXPERIENCE

Winston Grand   *April '16 - Present*
Cofounder and Developer   *New York City, NY*
- Co-managed an algorithmic trading fund that went live in April 2016 with $300K in seed capital and a primary focus on emerging cryptocurrencies, bolstering an impressive 220% return to date
- Created book building software that takes in real-time cryptocurrency tick data and constructs the book with low latency and optimal performance by using Red-Black Trees and Deques as data structures
- Designed a backend that compresses, chunks and versions tick data to meet the needs of our algorithmic trading platform
- Built trading strategies to exploit latent arbitrage opportunities between and within cryptocurrency exchanges
- Built an automated trade execution system with complex entry/exit technique and mature portfolio and risk management

Prattle Analytics   *May '16 - Aug. '16*
Financial Engineering and Data Science Intern   *St. Louis, MO*
- Worked on long-term projects and met day-to-day demands at a financial technology firm that uses proprietary natural language processing and machine learning techniques on central bank communications to serve unique and tradable sentiment data to clients
- Helped apply Prattle's sentiment analysis methodology to equities markets by building a regression model to isolate the residual effect of earnings call sentiment on price, using factors such as price/book ratio, earnings surprise and volatility
- Designed a backtesting platform with event-driven architecture to simulate interday forex strategy performance, creating methods to interpolate and smooth time series data, calculate various profitability and risk metrics and visualize strategy performance
- Developed rebalancing and threshold-based forex strategies that use central bank sentiment in conjunction with traditional indicators to identify trading signals, generating up to 260% alpha over a 10 year backtesting period
- Helped build Prattle's new backend, converting the existing codebase into asynchronous, parallelized, and stateless microservices
- Wrote webscrapers to improve the detection, collection, and classification of documents for the database's 10 worst banks
- Conducted quality assurance and debugged the client database on a daily basis by writing ad-hoc scripts to check and fix errors

Launch Code   *June '16 - Aug. '16*
Teaching Fellow   *St. Louis, MO*
- Taught an introductory computer science course on Java to a group of 10 adult students without prior programming experience
- Led lesson plans and assisted struggling students with various elementary topics on a bi-weekly basis

Villhard Growth Partners   *Jan. '16 - May '16*
Private Equity Analyst Intern   *St. Louis, MO*
- Conducted due diligence research on potential tech-enabled investments in the healthcare services and business sectors
- Compiled strategic recommendations consisting of industry analysis and company valuations on a weekly basis
- Discussed findings with the private equity team in order to build a consensus on investment decisions moving forward

Paraquad Inc.   *Jan. '16 - May '16*
Marketing Consultant - Taylor Community Consulting Program   *St. Louis, MO*
- Assessed the marketability of a new Health & Wellness Center for a non-profit that helps the disabled achieve independent lifestyles
- Improved customer segmentation by creating a webscraper that collects household income data for targeted marketing
- Created a tiered pricing strategy, incorporating unique incentives to attract and retain more affluent customers
- Developed a comprehensive marketing strategy and presented our findings to the Paraquad Board and Deloitte executives

Washington University in St. Louis   *Jan. '16 - May '16*
CSE 132 Teaching Assistant and Webmaster   *St. Louis, MO*
- Coordinated curriculum and graded assignments for 200+ students in an introductory computer engineering class for C and Arduino
- Helped develop and manage content on the course's static website using HTML, CSS and Jekyll

KIPP St. Louis   *Sept. '15 - Dec. '15*
Strategy Consultant - Taylor Community Consulting Program   *St. Louis, MO*
- Consulted for a non-profit K-8 charter school network exploring the feasibility of a new high school meant for poorer communities
- Found qualitative trends in KIPP's competitors with SWOT & competitive landscape analyses, as well as teacher & student interviews
- Assessed key cost drivers and developed a model for the short and long-term costs of a new school with national KIPP data
- Formed a holistic opening plan and timeline, presenting our strategic recommendations to the KIPP Board and Deloitte executives