Abhijit Gupta

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Education

Yale University   New Haven, CT
BS. Computer Science, BS. Applied Mathematics (GPA: 3.83)   Expected 2023
- Coursework: Linear Algebra, Discrete Math, Algorithms, Systems Programming, Deep Learning, Data Structures
- Activities: Yale Computer Society, Yale Entrepreneurial Society, Yale Interactive Machines Group, YHack Team

Experience

Jane Street   New York City, NY
Incoming Quant Trading Intern   June 2022- August 2022

Jane Street   New York City, NY
Quant Trading Intern   June 2021 - August 2021
- Worked with two trading desks on data analysis projects (further details omitted due to IP restrictions)
- Attended dozens of classes, competed in 10+ mock trading exercises to develop trading experience and intuition
- <u>Leveraged knowledge</u> in Python, Pandas, SQL, Bloomberg Terminal, Excel, Big Data, Quantitative Trading

Sentry.io   Remote
Software Engineer   August 2020 - December 2020
- Implemented batch-processing ETL pipeline with improved throughput, scalability, and cost efficiency.
- <u>Leveraged knowledge</u> in Python, Apache Kafka, Spark, AirFlow, GCS, BigQuery, DataDog, ETL, GitHub

Yale University   New Haven, CT
Research Intern | Interactive Machines Group   January 2020 - June 2021
- Built a deep learning pipeline analyzing social group phenomena for human-robot interaction using GNNs
- Optimized custom data processing and model architecture to improve baselines (paper accepted to ICMI 2021)
- <u>Leveraged knowledge</u> in Deep Learning, Python, PyTorch, TensorFlow, GitLab, Deep Learning, Scientific Writing

Gatherly   Remote
Software Engineer   August 2020 - December 2020
- Spearheaded data analytics initiative analyzing 1M+ user actions to extract actionable insight for 1k+ event hosts
- Implemented automated payment system using Stripe API with subscriptions, discounts, and tiered pricing
- <u>Leveraged knowledge</u> in AWS (DynamoDB, Lambda, Amplify, EC2, S3), Typescript NodeJS, ReactJS, GitHub

Projects

GitHub Trends (githubtrends.io)   January 2021 - Present
- Built tool allowing GitHub users to calculate and display contribution insights including LOC written (2500 users)
- <u>Utilized</u>: Python, REST APIs, GraphQL, FastAPI, PubSub, MongoDB, ReactJS, TailwindCSS, Google Cloud

Statbotics.io (statbotics.io)   January 2020 - August 2020
- Developed a robotics data analytics platform with ReactJS website (10k page views), Python package (10k installs)
- <u>Utilized</u>: Python, CockroachDB, Postgres, Django Rest Framework, ReactJS, HTML/CSS, Google Cloud, GitHub

Skills

Languages: *(Proficient)* Python, JavaScript/TypeScript, SQL, C/C++, R, HTML/CSS, *(Familiar)* Java, Matlab
Technologies/Frameworks: *(Proficient)* Pandas, NumPy, PyTorch, ReactJS, Git, *(Familiar)* TensorFlow, REST APIs

Awards

- **2019 Putnam Competition:** Top 600 Participant (87th percentile of competitors)
- **Science Olympiads:** USACO Platinum Division (2017-19), USAPhO Bronze Medal (2019), 4x AIME (2016-19)