

Abhijit Gupta

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Education

Yale University New Haven, CT
BS. Computer Science, BS. Applied Mathematics (GPA: 3.80) Expected 2023

- Coursework: Data Structures, Algorithms, Deep Learning, Systems Programming, Discrete Math, Linear Algebra
- Activities: Yale Interactive Machines Group, YHack Team, Yale Computer Society, Yale Entrepreneurial Society

Experience

Sentry.io San Francisco, CA
Incoming Software Engineering Intern Expected August 2021 - December 2021

Jane Street New York City, NY
Incoming Quant Trading Intern Expected June 2021 - August 2021

Yale University New Haven, CT
Research Intern | Interactive Machines Group January 2020 - Present

- Building an end-to-end deep learning pipeline analyzing social group phenomena for human-robot interaction
- Optimizing custom data preprocessing, model architecture, and loss function to improve prior metrics by 14%
- Leveraging knowledge in 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
- Leveraged knowledge in AWS (DynamoDB, Lambda, Amplify, EC2, S3), Typescript NodeJS, ReactJS, GitHub

RTI International Raleigh, NC
Data Warehouse Intern June 2020 - August 2020

- Designed campus monitoring dashboard to visualize temporal building occupancy, saving an estimated \$100,000
- Implemented automated demand prioritization system for the BI team, reducing manual preparation time by 80%
- Leveraged knowledge in Microsoft SQL Server, Microsoft Power BI, Data Visualization, Agile Methodology

Projects

YHack Tech Team (yhack.org) March 2020 - Present

- Manage six developers designing the YHack website, YHack application system serving 2,000+ candidates
- Utilizing: ReactJS, TailwindCSS, Python, Django, Heroku, GitHub, Project Management, Documentation

CourseTable Team (coursetable.com) July 2020 - Present

- Spearheading initiative using NLP on 10,000+ course descriptions to predict similarity, sentiment, keywords, etc.
- Utilizing: Python, GraphQL, Natural Language Processing (TF-IDF, LSI, Word2Vec), Docker, GitHub

QuickBites (quickbites.app) October 2020 - January 2021

- Published app comparing Grubhub, Uber Eats, DoorDash on Google Play, App Store (500 users, 4k page views)
- Utilized: Python, Flask, REST APIs, GraphQL, React Native, Expo, HTML/CSS, Google Cloud, GitHub

Statbotics.io (statbotics.io) January 2020 - August 2020

- Developed a robotics data analytics platform with ReactJS website (10k page views), Python package (10k installs)
- Utilized: Python, MySQL, Django Rest Framework, ReactJS, HTML/CSS, Travis CI, Google Cloud, GitHub

Skills

Languages: (*Proficient*) Python, JavaScript/TypeScript, HTML/CSS, SQL, C/C++, R (*Familiar*) Java, Matlab
Frameworks: (*Proficient*) NodeJS, ReactJS, React Native, Django, NumPy, PyTorch (*Familiar*) TensorFlow, Tailwind
Technologies: (*Proficient*) Git, Databases, GCP, REST APIs, CI/CD, Coverage (*Familiar*) AWS, GraphQL, Docker