

Aatish Varma

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EDUCATION

NEW YORK UNIVERSITY

B.A IN COMPUTER SCIENCE AND
MATHEMATICS
Expected May 2020 | New York, NY
Cum. GPA: 3.60

LINKS

Github:// [aatish17varma](#)
LinkedIn:// [aatish17varma](#)

COURSEWORK

UNDERGRADUATE

Computer Systems Organization
Data Structures
Intro to Computer Science
Linear Algebra
Discrete Mathematics
Calculus 1-2
Linear Algebra
Computer Networks (Fall '18)
Operating Systems (Fall '18)
Artificial Intelligence (Fall '18)

SKILLS

PROGRAMMING

Java • C • JavaScript • Node.JS
Express.JS • React.JS • Go • CSS •
Assembly • MySQL • PostgreSQL

AWARDS

NYU Deans List
NYU Athletics Presidential Honors Roll
Ranked in top 100 teenage fencers in
2014

EXPERIENCE

GE DIGITAL | DIGITAL TECHNOLOGY INTERN

May 2018 – Jul 2018 | San Ramon, CA

- Added a byte compressor and protobuf converter to the Time Series Gateway for the Predix Time Series service.
- Added Audit functionality to the Timeseries Go Pipeline to monitor processes using the Predix Audit Service SDK.
- Wrote tests in Golang.
- Used the New Relic Query Language to query 500,000 data points from multiple PostgreSQL databases and generate data visualizations.

TECH@NYU | EXECUTIVE BOARD MEMBER / INFRASTRUCTURE ENGINEER

Oct '17 - Current | New York, NY

- Created and promoted events centered around latest technological trends and software skills.
- Maintain internal services (Website, API) for events.

FULLSTACK ACADEMY OF CODE | SOFTWARE ENGINEERING IMMERSIVE STUDENT

June 2017 – Aug 2017 | New York, NY

- 13 week coding bootcamp focused on fullstack development (<8%)
- Learned advanced data structures and cutting edge development technologies including full stack JavaScript.
- Gave lectures on algorithms (Dijkstra) and Blockchain (Ethereum Dapps).

RESEARCH

NYU COURANT INSTITUTE OF MATHEMATICAL SCIENCES | UNDERGRADUATE RESEARCHER - COMPUTER NETWORKS

May 2018 – Present | New York, NY

Working with Professor Anirudh Sivaraman to design a data plane algorithm which can be programmed on line rate switches. Working primarily in Domino

INCOMING UNDERGRADUATE RESEARCHER - HCI

Aug 2018 | New York, NY

Will be working in Professor Ken Perlin's Lab to help design the next version of VR application HoloJam.

PROJECTS

STACKCOIN | ETHEREUM BLOCKCHAIN PROJECT

Technoogies Used: Solidity, Truffle, JavaScript (Web3, React, Redux, Node, Express), Sequelize, Azure

Implemented a private Ethereum Blockchain used to track classroom attendance. Includes, custom contracts written in Solidity, worked on making contracts, writing backend routes, displaying transactions, and front end rendering.

FOODRUN | FOOD / EXERCISE APP

Technologies Used: React-Native, JavaScript (React, Redux, Node, Express), FourSquare API

Created React Native App which creates running paths around NYC based on calories consumed by user, and then directs user to nearby location based on cuisine. Learned React-Native and became familiar with various APIs.