Akash Kumar

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Work Experience

Coenterprise: Integration Analyst/Consultant — 6/18-Current
> Updated and secured managed file transfer services for Fortune 500 companies.
> Automated migration systems to decrease down time and on-boarding time.
> Supported technical services and managed user expectations during a contract.

Intigo3D: Full Stack Engineer — 7/17-5/18
> Created an encrypted print pipeline using Python, AWS. 70% Faster and 95% more reliable.
> Created a web service for designers that allowed them to sell their work and fight piracy using React and Node.
> Consulted on marketing and strategy, building media kits for investors to raise funding.

NYU, MakerSpace: Technical Lead — 2016-2017
> Built the initial software infrastructure using Node, Flask and Python paired with the machines in the space.
> Stopped hundreds of dollars in theft through the software tracking and server based monitoring I created.
> Coordinated larger projects with other staff and taught technical skills in weekly workshops to NYU students.

Grafiti: Data Visualization Intern — Fall '17
> Built interactive visualizations using 6 million lines of data to demonstrate the Grafiti system and methodology.
> Used Kaggle for initial data, Python (pandas) for filtering, Google Big Data and Cloud for visualization and analysis.

Mango Concept [Full-service digital agency]: Rapid Development Intern — Summer '16
> Rebuilt video system using web technologies and bootstrapping existing solutions. Decreased load times by 300%.
> Started an advertising platform for one of Mango's brands, increasing product awareness by 75%.

NYU, Engineering and Technology Forum: Prototyping Focused Teaching Assistant — 2015 - 2016
> Taught a weekly class for all first-year engineering students about entrepreneurship.
> Developed and graded weekly projects based on the lean startup methodology.

Howl Interactive: Co-founder — 2013 – 2017
> Built games and utilities for mobile. Used Swift, Java, and frameworks like React Native as they became available.
> Incorporated the company and handled the business side as well.

Projects

Rocket Telemetry: Used python and sensors (accelerometers, GPS, cameras) to track a rocket with triple redundancy.

D-20: Implemented a server side neural network to detect different kinds of music and display it with lights on an art piece.

Uber Movement: Made Uber Movement data accessible in a public facing API and displayed it in graphs using node.

Resonance Research: Used Matlab and python to develop technology to mitigate surgical risk using sound and vibration.

Skills

Adobe Suite	Javascript
Go	[Node/React]
HTML/CSS	MATLAB
[Bootstrap]	PHP
Java	Python

Relevant Course Work

Computer Science	Design
Digital Logic	User Experience Design
Computer Architecture	Wearables
Data Structures	Motion Graphics
Data Visualization	Typography

Education

New York University | School of Engineering — 2018
B.S. Integrated Digital Media
A degree that combines computer science with design to create compelling digital products.