Akash Kumar

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Work Experience

Coenterprise: Integration Analyst (On contract for Wells Fargo & US Bank) **6/18-Current**
- > Analyzed datasets and patterns using Python and SQL to automate migration tasks - 8x increase in project scope.
- > Troubleshoot complex networking issues with clients and architect custom technical solutions.
- > Lead a team of 12, transitioned from a waterfall to an agile approach. Reduced migration time by 70%.

Intigo3D: Full Stack Engineer **7/17-5/18**
- > Created an encrypted print pipeline using embedded hardware, Linux, Python, AWS IoT.
- > Developed 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**
- > Created the initial software infrastructure using Node, Flask and Python paired with the machines in the space.
- > Built our hardware and monitoring resources to help students utilize the space and tailor it to their needs.
- > Coordinated larger projects with other staff and taught technical skills in weekly workshops to NYU students.

Grafiti: Data Visualization Intern **Fall '17**
- > Designed interactive visualizations using 6 million lines of data to demonstrate the Grafiti system.
- > 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 of an early stage start-up.

Skills & Projects

Projects
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NYC Mesh: Building a monitoring system and dashboards for the distributed network using open source tools.

Google + ADA: Worked with a team of designers to make tools to help people with disabilities learn morse code and communicate with the world.

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

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

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

Software
Docker
Selenium
Tableau
Unix Terminal
IBM B2Bi + [Axway ST & SFG]
C++
Go (Learning)
HTML/CSS
Java
Javascript + [React]
Python + [Pandas]
R
SQL

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.