Akash Kumar {

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NYU Tandon School of Engineering: Brooklyn, NY
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B.S. Integrated Digital Media

A degree that combines computer science with human centered design to create compelling interfaces, whether they be physical, digital, or virtual.

My Goal:

To write software that is not only functional and efficient but also intuitive. To be able to use all of the design skills I have acquired though my degree as well as continue to grow my programming experience.

[akash.nyc] - Visit my website to view my personal projects

Work Experience

Intigo3D: Full Stack Intern turned Engineer
Summer 2017+

Used Python, Flask, AWS and microcontrollers to deliver 3D prints to client and return device vitals to maintain print quality across different environments.
Developed a platform to allow designers to securely display and distribute their creations
[user.intigo3d.com]

NYU, MakerSpace: Lead Prototyping Teaching Assistant
2016-2017

Maintained and improved capabilities of the space using web frameworks as well as Python, Node, React, server virtualization, IoT and custom hardware.
Taught and advised students on projects using machines and related software in the space.

Grafiti: Creative Data Visualization Community Partner
Fall 2017

Built interactive visualizations. Used Python for filtering, and Google Cloud for visualization.
[grafiti.io] – *The visualization can be found at akash.nyc/portfolio*

Mango Concept: Rapid Development Intern
Summer 2016

Worked on a video compilation system built on PHP and FFmpeg
Build plugins and extensions for advertising platforms using JavaScript

NYU, Engineering and Technology Forum: Prototyping Focused Teaching Assistant
2015 - 2016

Taught a weekly class for all first-year engineering students about entrepreneurship
Created and graded weekly projects based on the lean startup methodology

NYU, Prototyping Lab: Resonance Team Captain
2014 - 2016

Led a team from the engineering and medical schools to build and test prototype hardware
Investigated audio patterns to detect orthopedic surgery issues using Processing and Matlab

NYU, Chemistry Department: Rapid Growth Triple Helix DNA Researcher
Summer 2014

Applied research to create triple stranded D.N.A crystals
Tested experimental use cases for D.N.A crystals in a tensegrity triangle formation

Howl Interactive Incorporated: Co-founder
2013 – 2017

Created a financial savings platform using React and other web tools
Developed mobile games that focus on clean usability built in Java and Swift

Skills

Fusion 360	Javascript
Adobe Suite	Java
C	MATLAB
Data Structures	Node JS
Flask	Python
Go	R
HTML/CSS	React

Software Projects

> Python used to track model rocket telemetry data
> Javascript used to make a neural network to identify music
> React used to create a status dashboard machines
> Flask used to make a diagnostic API for Stratasys printers
> Node used to access and aggregate uber movement data
> R used to parse H1B data into Sankey Diagrams