Akash Kumar {

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NYU Tandon School of Engineering: Brooklyn, NY   **Fall 2017**

B.S. Integrated Digital Media

A degree combining design and computer science 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] – *Still a work in progress*

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	MATLAB:
C	Node JS
Data Structures	Python
Flask	R
HTML/CSS	React

Related Projects

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