



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 through my degree as well as continue to grow my programming experience.

lakash.nycl - Visit my website to view my personal projects

Work Experience

Intigo3D: Full Stack 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: Prototyping Lead

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 Class Project

Fall 2017

Built interactive visualizations. Used python for filtering, and Google Cloud for visualization. [grafti.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: Medical Equipment Research with Professor Michael Knox

2014 - 2016

Investigated audio patterns to detect orthopedic surgery issues using Processing and Matlab. Created a neural network to improve detection when tested by medical students.

NYU, Chemistry Department: Researcher with Professor Yoel Ohayon

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

Software

CAD with Fusion	MATLAB
Design with Adobe	Microsoft Office
Embedded with C	Python
Full Stack Web	React

Hardware

3D Printing	Laser Cutting
Arduino	Milling
Circuit Design	PCB Soldering
CNC	Raspberry Pi