Akash Kumar {

akash.nyc
me@akash.nyc
in /akashnyc
○ /aka5hkumar
Brooklyn, NY
(201)-632-1252

Education

NYU Tandon School of Engineering: Brooklyn, NY   **Fall 2017**
> B.S. Integrated Digital Media

Skills

Hardware

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

Software

CAD with Fusion   Javascript
Design with Adobe   MATLAB
Embedded with C   Microsoft Office
Full Stack Web   Python
Machine Learning   R
Java   React

Work Experience

Intigo3D: Downstream Processing & Hardware Integration   **Summer 2017+**
> Developed an encrypted system to deliver 3D print files
> Created a hardware system that allows for secure printing

NYU, MakerSpace: Prototyping Lead   **2016-2017**
> Operated, maintained, modified, hacked and improved the machines in the space
> Taught and advised students on projects using machines and related software in the space

Mango Concept: Rapid Development Intern   **Summer 2016**
> Worked on a video complilation system built on PHP and FFmpeg
> Build plugins and extensions for advertising platforms using javascript

NYU, Engineering and Technology Forum: Hardware 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: External Project Development with Professor Michael Knox   **2014 - 2016**
> Investigated audio patterns to detect orthopedic surgery issues using Processing and Matlab
> Coordinated with medical students to test our prototypes in a medical setting

NYU, Student Researcher: 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: Brooklyn, NY [*Co-founder*]   **2014 - 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

Clubs

oSTEM, NYU [Out in Science, Technology, Engineering, and Mathematics]   **2017**
> eBoard Member: Advertised and advocated for the benefits of the club
> Photographed club related events

EIA NYU [Entrepreneurship & Innovation Association]   **2016**
> eBoard Member: Planned events that bring people together to collaborate on their ideas
> Inno/Vention Competition: Helped coordinate a yearly startup competition