

Akash Kumar

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Education

NYU Tandon School of Engineering: Brooklyn, NY

Fall 2017

- › B.S. Integrated Digital Media
- Minor in Computer Science

Brown University, Pre-College Program

- › Exploring the Interface

Summer 2012

A nanotechnology class covering cutting edge biogel reduction research

- › Techniques in Biochemistry

Summer 2011

A lab class testing the emerging technologies and processes of conducting biochemical research



Skills

Hardware

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

Software

Adobe Suite
C
CSS
Eagle
HTML
Java
JavaScript
MATLAB
Microsoft Office
Python
Solidworks
Xilinx Zynq



Work Experience

Intigo3D: Downstream Processing & Hardware Integration

Summer 2017+

- › Develop an encrypted system to deliver 3d print files
- › Create a hardware system that allows for secure printing

NYU, MakerSpace: Prototyping Lead

2016+

- › Operated and maintained laser cutters, 3D printers, CNC and other machines
- › 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 system built on PHP and FFmpeg
- › Build plugins 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
- › 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 students in several fields to work on common goals

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

2014 - 2017

Co-founder

- › 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 & Events

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

GE FirstBuild + Makerbot Hackathon: First Place - Undergraduate

2015

- › Iterated hardware using 3D printing, Arduino, and Firebase