

# Akash Kumar

akash.nyc  
akashkumar@nyu.edu  
 /akashnyc  
 /aka5hkumar  
Brooklyn, NY  
(201)-937-3021

## 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