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		Software	
3D Printing	Laser Cutting	Adobe Suite	JavaScript
Arduino	Milling	C	MATLAB
Circuit Design	PCB Soldering	CSS	Microsoft Office
CNC	Raspberry Pi	Eagle	Python
		HTML	Solidworks
		Java	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 — **Summer 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