

Akash Kumar{

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NYU Tandon School of Engineering: Brooklyn, NY

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B.S. Integrated Digital Media

A degree that combines computer science with human centered design to create compelling interfaces, whether they be physical, digital, or virtual.

What I am looking for:

To write software that is not only functional and efficient but also intuitive at a company that will allow me to grow and learn. I would love to be able to use my design skills to further the products I help create as well.

[akash.nyc] - Visit my website to view my personal projects

Work Experience

Intigo3D: Full Stack Intern turned Engineer

July 2017-March 2018

- > Rebuilt print pipeline using Python, Flask, and AWS yielding a 95% success rate and 70% faster operation.
- > Created a secure platform for designers using React and Node on a tight deadline to secure more funding.

NYU, MakerSpace: Technical Lead (Student TA)

2016-2017

- > Built the initial software infrastructure using React, Node, Flask and Python paired with hardware.
- > Stopped hundreds of dollars in theft through software tracking and taught technical skills through workshops.

Graffiti: Data Visualization Intern

Fall 2017

- > Built interactive visualizations using 6 million lines of data to demonstrate the Graffiti system and methodology.
- > Used Kaggle for initial data, Python (pandas) for filtering, Google Big Data and Cloud for visualization and analysis.

Mango Concept: Rapid Development Intern

Summer 2016

- > Rebuilt video system using FFMPEG, SQL, Javascript, and PHP. Decreased load times by 300%.
- > Started an advertising platform for one of Mango's brands, increasing product awareness by 75%.

NYU, Engineering and Technology Forum: Prototyping Focused Teaching Assistant

2015 - 2016

- > Taught a weekly class for all first-year engineering students about entrepreneurship.
- > Developed and graded weekly projects based on the lean startup methodology.

NYU, Prototyping Lab: Lead Researcher

2014 - 2016

- > Led a team of engineering and medical students to reduce operating errors using embedded sensors.
- > Investigated surgery issues using Processing and MATLAB, reducing detection time from minutes to milliseconds.

NYU, Chemistry Department: Research Assistant

Summer 2014

- > Applied existing research to create triple stranded D.N.A crystals, reducing failed runs by 50%.
- > Tested experimental growth patterns for D.N.A, leading to a 20% decrease in growth time.

Howl Interactive Incorporated: Co-founder

2013 - 2017

- > Built games and utilities for mobile. Used Swift, Java, and frameworks like React Native as they became available.
- > Incorporated the company and handled the business side as well, even got NYU to pay for the lawyers!

Skills

Fusion 360
Adobe Suite
C
Data Structures
Flask
Go
HTML/CSS

Javascript
Java
MATLAB
Node JS
Python
R
React

Software Projects

- > Python used to track model rocket telemetry data
- > Javascript used to make a neural network to identify music
- > React used to create a status dashboard machines
- > Flask used to make a diagnostic API for Stratasys printers
- > Node used to access and aggregate Uber Movement data
- > R used to parse H1B data into Sankey Diagrams