

# Ibrahim Hashme

## PROFESSIONAL SUMMARY

I am interested in the creation process from data analysis and idea inception, to design and prototyping, all the way through to initial production. I create whenever I get the time, ranging from arduino gadgets and webapps to drawings and sculptures. The only thing that makes me enjoy the creation process more than I do intrinsically is collaboration; bringing the perspectives and ideas of other creatives in the mix.

## EXPERIENCE

### DESIGN ENGINEER

*Terrapin Works, College Park, MD, Dec 2016 - Aug 2017*

Designed and built prototype products for clients. These clients ranged from companies simply improving on their design, to start-ups and individuals trying to finalize a production ready prototype. - terrapinworks.umd.edu

### DIRECTOR

*Collider, College Park, MD, Sept 2015 - Jan 2017*

Hardware acquisition, project approval, running day to day operations. Led a renovation effort which included redesigning the space, logo, website, as well as getting an artist to paint custom murals on the walls and acquiring new furniture to rebrand the makerspace entirely. -- collider.org

### PRESIDENT

*Terrapin Hackers, College Park, MD, Sept 2013 - May 2016*

1,800 member UMD hacker collective. Started out organizing buses to hackathons and running tech workshops, mainly to get to know interesting people who worked in different areas. Ended my involvement after leading all our efforts as president for a semester. -- terrapinhackers.com

## PROJECTS

### COLLIDER REMAKE

Put together and led teams of designers, engineers and artists to redesign and rebrand the space entirely over a semester.

### DATA VISUALIZATION

Spent a semester exploring a new data visualization technique/tool every 2 weeks. Ended the exploration with three throwaway tableau stories and two D3 projects.

### PROATS

After mixing my own meal replacement shakes for a year, I decided to start selling them. Built a prototype machine which mixed powders in the macro-nutrient ratio required for each specific customer, and then bagged and sold them. Sold ~4,000 day-pouches over the course of a year.

### ROUTINEGEN

Built with a team consisting of a designer, a developer, a strength coach and me (with my hands in everything). Generates a custom 12 week training regimen for the user to follow, tailored to their specific goals. -- routinegen.com

### SUPERSONIC PAYLOAD

Built, with a team of 5, a payload intended to break the sound barrier using gravity alone (due to our proximity to Camp David, no thrust was allowed). It deployed a parachute after breaking the sound barrier (verified with a microphone looking for a sonic boom) some time after being dropped from a weather balloon.

## EDUCATION

### BS, INFORMATION SCIENCE (DATA SCIENCE SPEC.)

*University of Maryland • College Park • 2018 • 3.5 (major) GPA*

## SKILLS

C PYTHON HTML/CSS JAVASCRIPT SOLIDWORKS ILLUSTRATOR/SKETCH  
TABLEAU ADDITIVE MANUFACTURING SQL WOODWORKING

## CONTACT

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