ISHAAN M. PARIKH

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EDUCATION

Banneker-Key Scholar - University of Maryland**,** College Park, MD, **GPA: 4.00** **Expected Spring 2018**
Honors College, University Honors, Major: Computer Science, 86/120 credits
Math/Science/Computer Science Magnet - Montgomery Blair High School**,** Silver Spring, MD, GPA: 3.91 **June 2015**

COMPUTER LANGUAGES

Java, Javascript (Node + React Native), HTML, Python (Django), Swift/xCode, CSS/SASS, Matlab, C
Machine Learning (Stanford University) – Coursera Course Certificate, License S7WQ2XMXAFTA
Practical Machine Learning (John Hopkins University) – Coursera Course Certificate, License 2UZFX4QD98V6

LEADERSHIP & EXPERIENCE

LendUp, San Francisco, CA **2016 – present**
Software Engineering Intern

- Developing the iOS and Android mobile applications for the LCard product
- Creating the foundation of development for future mobile application developers
- Building out the first mobile application to be used in public production

Terrapin Hackers, College Park, MD **2015 – 2016**
President

- Providing hackers with a rich, high-energy environment with programs and maker-spaces like Collider
- Organizing hacktorials and starting the challenge night and mentorship initiatives to help new hackers learn quickly

Startup Shell, College Park, MD **2015 – present**
Eta Batch

- Developing TutorMatch (tutoring 'middleman' social network) into a full platform
- Converting Collider, UMD's hackerspace, into a more accessible location with better resources

PROJECTS

Exploration of Objects with the Baxter Research Robot Using an RGB-D Sensor and PCL, *UMD CS Research* **2016**
<http://iparikh.co/assets/files/baxter.pdf>

- Used Point Cloud Library to obtain depth cloud information with an Asus xTion Camera
- Utilized ROS and PCL to segment depth clouds and perform analysis (C++ and Python)
- Interacted with Baxter Research Robot to move camera to obtain more data

Perfect Partner, *Bitcamp 2016* **2016**
<https://youtu.be/kLliPQ02tAI>

- Used OpenCV and OpenNI to analyze depth cloud information for ellipse detection
- Autodesk utilized for 3D printing launching mechanism
- Utilized Arduino to alter firing platform for each detected case

OmniTestr, *PennApps 2016* **2016**
<https://github.com/OmniTestr>

- Developed a web app to load test public API requests on any given website
- Used Node.js' ws and requests packages to make a large amount of http requests
- Used d3.js for informative and beautiful data visualization

"Metabolic Profiling of the Different Subpopulations of Melanoma Cells," *UC San Francisco* **2014**
<http://jes2s.com/September2014/scc.html>

- Used nuclear magnetic resonance spectroscopy (NMR), gamma counting, and cell culture to metabolically analyze the slowly cycling cell subpopulation.
- Named semifinalist in the Intel Science Talent Search international science competition
- Received special recognition from the International Society for Magnetic Resonance in Medicine

HONORS

Banneker-Key Scholarship: UMD's highest merit-based scholarship for significant leadership and accomplishment
Campus Innovator Award: Award for helping revitalize Collider, UMD's hackerspace