Rohan Dixit

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**EDUCATION**

**University of Maryland, College Park (2016-2020)** College Park, MD

* Major: Computer Science, GPA: 3.94
* Member of Honors College: Entrepreneurship and Innovation Program

**Poolesville High School (2012-2016)** Poolesville, MD

* Member of Science, Mathematics, and Computer Science Magnet Program

**SKILLS**

* Proficient: Java, Linux, C++, Autodesk Inventor CAD, Microsoft Office
* Basic: Python, Arduino

**EXPERIENCE**

Research Intern at the National Institute of Standards and Technology (NIST) Summer 2015

* Designed a vision-based system to monitor manufacturing robots’ movements in real-time that provides ability to detect robot malfunction within 5 milliseconds
* Worked in Control Systems Laboratory under Cybersecurity for Smart Manufacturing Systems project

SourceAmerica Design Challenge Fall 2014

* Partnered with Linden Resources, a non-profit organization in Arlington, Virginia
* 38% productivity improvement for employees with dexterity issues by creating unique paper dispenser to assist them in placing papers into an envelope

Client Project: Algorithm and Data Structures Spring 2013

* System analyst and programmer in team that created software for teachers to randomly create groups of students for class projects based off a ranking system
* Has been used at Poolesville High School since fall 2014

**HONORS AND AWARDS**

University of Maryland Dean’s List Fall 2016

Future of Information Alliance (FIA) Innovation Spark Grant Semifinalist: November 2016

Using VR and AR to Address Real-World Challenges

Authored paper for University of Chicago’s E=mc2 High School Summer 2016

Mathematical Science Journal

Intel Science Talent Search International Semifinalist January 2016

CSAW (Cyber Security Awareness Week) High School Forensics (HSF) National Finalist November 2014

**EXTRACURRICULAR ACTIVITIES**

Terrapin Development and Consulting Fall 2016

* Developing a sensor system to accurately sense sound levels throughout UMD’s McKeldin Library and create a data display from this system to guide student traffic within the library

Member of FIRST Robotics Team 4099 2013-16

* Named vice-captain and head of CAD team for 2015-16 season
* Build robot to meet a particular competition
* Market team’s capabilities and talk to potential sponsors at organization events
* Helped start-up FIRST Lego League robotics team at our local middle school

Member of Poolesville HS Computer Team 2012-16

* Participate in numerous computer-science related competitions such as capture-the-flags and CSAW High School Forensics