Nishant Kheterpal

nishantkheterpal@gmail.com
734-205-8574

Education:

University of California, Berkeley   Expected Graduation: May 2019
- Major: Electrical Engineering and Computer Sciences

Ann Arbor Skyline High School   9/2011 - 6/2015
- GPA: 4.0/4.0
- AP: 5/5 in Computer Science, BC Calculus, Physics, Statistics, Chemistry, Psychology, English, and US History
- ACT Composite Score: 36/36; SAT II in Chemistry and Math II: 800/800

Work Experience:

Research Assistant, Univ of Michigan Transportation Research Institute   7/2013 - present
- Second high school intern in institute history
- Analyzed sensor data with SQL and plotting tool Igor to evaluate vehicle safety equipment effectiveness
- Troubleshot and repaired road profiler used to measure road roughness
- Reduced GPS location error from meters to centimeters using internet corrections for vehicle-to-vehicle interaction accuracy
- Modernized suspension data analysis methods with Matlab, Fortran, and C programs
- Expected publication in *International Journal of Vehicle Design* (second author)

Front of the House Runner/Busser, Zingerman's Deli   6/2013 - 7/2013
- Held service position at a restaurant recognized nationally for exceptional customer service
- Implemented system to record guest locations and expedite service

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Honors and Activities:

Quiz Bowl   11/2011 - 6/2015
- Member of Michigan's National All-Star Team
- Individually ranked among the top five players in Michigan
- Four-year High School Nationals Competitor

Science Olympiad   11/2011 - 6/2015
- Regional First Place medals in Disease Detectives and Experimental Design

Michigan Mathematics Prize Competition
- Four-year Round Two Qualifier (top 10%)
- Top 100 Statewide in 2015

Project Lead the Way Engineering   9/2012 - 6/2015
- Experience in Python, Java, and CAD (Autodesk Inventor)

Ann Arbor News Top Scholar   6/2015