

# Nishant Kheterpal

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734-205-8574

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## 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
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## 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
- Troubleshoot 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:

### Berkeley Formula SAE

8/2015 - present

### 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

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