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## Kshitij Sharma

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<b>OBJECTIVE</b>	Seeking a full-time position in Transportation/Traffic Engineering with an emphasis on Highway Design, Highway and Traffic Safety, and/or Traffic Operations.	
<b>EDUCATION</b>	<b>Master of Science, Civil Engineering (Major-Transportation)</b> Wayne State University, Detroit, MI, USA <b>Bachelor of Technology, Civil Engineering</b> G.Z.S. College of Engineering and Technology, Bathinda, Punjab, India	Graduation: August 2008 GPA – 3.44 / 4.0 Graduated: June 2006 GPA – 3.50 / 4.0
<b>COMPUTER SKILLS</b>	Synchro-SimTraffic PASSER AutoCAD Highway Capacity Software	CORSSIM SPSS TransCAD Microsoft Office including MS Access
<b>WORKING KNOWLEDGE</b>	Highway Capacity Manual MUTCD	ITE Trip Generation Manual AASHTO Green Book, and AASHTO Red Book
<b>GRADUATE COURSES</b>	Advanced Traffic Signal Systems Highway Safety and Risk Management Transportation Design Highway Geometric Design	Traffic Control and Operations Urban Transportation Policy and Planning Economic Analysis in Transportation Engineering Research Methods in Transportation Engineering
<b>RESEARCH PROJECTS</b>	<p><b><u>Research Project Support:</u></b></p> <ul style="list-style-type: none"> <li>• <b>Safety and Operational Study for Selected Metropolitan Planning Organizations within Michigan (MI-OHSP) for the following:</b> <ol style="list-style-type: none"> <li>1. Kalamazoo Metropolitan Planning Organization</li> <li>2. Muskegon Metropolitan Planning Organization</li> <li>3. Lansing Metropolitan Planning Organization</li> <li>4. Jackson Metropolitan Planning Organization</li> </ol> </li> <li>• Michigan Seat Belt Observational Surveys (MI-OHSP)</li> <li>• Pedestrian Safety for the City of Detroit (MDOT)</li> <li>• Development of Guidelines for Utility Work Zones (FHWA)</li> <li>• Emergency Vehicle Alert System(EVAS) Field Testing and Statistical Testing</li> </ul> <p><b><u>Graduate Projects:</u></b></p> <ul style="list-style-type: none"> <li>• <b>Optimize Progression on a three Arterial Network</b> – Analyzed signal warrants and designed timings of series of signalized intersections on an arterial; optimized progression on the same using SYNCHRO, PASSER II; developed simulation models and determined operational features using SimTraffic, HCS2000.</li> <li>• <b>Economic Analysis of the Freeway Improvement Project</b> – Performed economic evaluation of mutually exclusive safety improvement alternatives on John C. Lodge Freeway using travel time and vehicle operating cost as Measures of Effectiveness.</li> <li>• <b>Analysis of Driver Behavior at Intersections</b> – Examined various components of driver behavior and performed secondary statistical analysis to determine factors affecting the incident of Red Light Running.</li> </ul>	
<b>EXPERIENCE</b>	<p><b><u>Graduate Research Assistant - Wayne State University TRG</u></b> August 2007 – to date</p> <p><b><u>Student Assistant - Wayne State University TRG</u></b> February 2007 – July 2007</p> <p><b><u>Internship – Amar Nath Agarwal Pvt. Ltd, India</u></b> Jan 2005 – June 2005</p> <ul style="list-style-type: none"> <li>• Worked as a Trainee Engineer on various transportation projects. Major duties were data</li> </ul>	

	collection and analysis; conduct surveys; prepare corridor studies and their drawings.
<b>ACTIVITIES</b>	<ul style="list-style-type: none"><li>• Student Member, Institute of Transportation Engineers (International and Michigan)</li><li>• Student Member, American Society of Civil Engineers</li></ul>
<b>REFERENCES</b>	Available upon request
<b>ACHIEVEMTS</b>	Assisted in preparation of course material for two of the courses taught at Wayne State University

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Entry Level Engineer Resume Submittal Service Provided By:

*Terry C. Ratliff*

**Specializing in Recruiting Traffic & Transportation Engineers - Planners - Technicians**

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