

# JANANI CHINNAM

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EDUCATION	<b>University of Michigan – College of Engineering</b>	<b>Ann Arbor, MI</b>
	B.S.E. in Computer Science, <b>Graduation:</b> April 2019 GPA: 3.3/4.0 Engineering Dean's Honor List (2017) <b>Relevant Coursework:</b> Data Structures and Algorithms (EECS 281), Computer Architecture (EECS 370), Web Systems and Databases (EECS 485), Discrete Mathematics (EECS 203, EECS 376), Computer Security (EECS 388), Models of Social Information Processing (SI 301)	
EXPERIENCE	<b>Cleo</b>	<b>Chicago, IL</b>
	<b>Software Engineering Intern</b> , <i>Integration Cloud Team</i>	May – Oct 2017
	<ul style="list-style-type: none"><li>Designed and automated log aggregation and visualization pipeline for crisis troubleshooting and performance optimization in both development and live production system environments</li><li>Implemented build-stage testing suite to strengthen code coverage by running on new branch commits</li><li>Developed user activity interface to display live visuals of application activity with various filtering, sorting, and dynamic features to enhance client experience in production, leveraging REST protocol and AWS APIs</li></ul>	
	<b>AgileSystems LLC</b>	<b>Troy, MI</b>
	<b>Software Development Intern</b> , <i>Magna Project</i>	Apr – Jun 2016
PROJECTS	<ul style="list-style-type: none"><li>Built user interface for forecasting toolkit to predict warranty claims based on 20+ environmental variables and historical data patterns and statistics, targeting specific vehicle usage subsets and parameters</li><li>Implemented MATLAB scripts to aggregate vehicle data and calculate overall statistics distributed by winter severity, focusing on locations of interest and various prediction scenarios</li></ul>	
	<b>Boston University</b>	<b>Boston, MA</b>
	<b>Research Assistant</b> , <i>Ultrafast Optics Laboratory</i>	Jun – Aug 2014
	<ul style="list-style-type: none"><li>Researched thermal imaging-system applications of femtosecond lasers, and implemented scripts to extract comprehensive data outputted by erbium-doped fiber-optic laser cavities with ranging structural attributes</li><li>Developed program to analyze data and plot optical spectrums for efficient visualization and analysis of central wavelengths, bandwidths, and output power to optimize cavity design and capability</li></ul>	
	<b>Node.js Security Check</b> <i>Groovy</i>	July 2017
SKILLS	<ul style="list-style-type: none"><li>Cron-like script to continuously check Node.js package dependencies for known security vulnerabilities with integrated Slack notification system determined by priority levels using npm nsp, Docker, and shell code</li></ul>	
	<b>Phi Gamma Nu Delta Phi Internal Web System</b> <i>HTML, CSS, JavaScript</i>	Jan 2017
	<ul style="list-style-type: none"><li>Fraternity recruitment scoring automation and internal voting system to streamline procedures</li><li>Public site and authenticated internal logistical pages for file sharing, organization, and member information</li></ul>	
	<b>MST and TSP Path-Finding Simulator</b> <i>C++</i>	Dec 2016
	<ul style="list-style-type: none"><li>Systematically designs an optimal path between nodes with options to prioritize speed or accuracy</li><li>Utilizes bounding algorithms and various heuristic approaches to optimize solution speed and memory</li></ul>	
ADDITIONAL	<b>Magna Warranty Claims Forecasting Toolkit</b> <i>MATLAB</i>	May 2016
	<ul style="list-style-type: none"><li>Flexible forecasting tool to predict warranty claims on automotive parts by vehicle model year by state, month, and mileage given expected weather conditions and in-use vehicle volumes</li></ul>	
ADDITIONAL	<b>Proficient</b>	C++, Java, Python, HTML, CSS
	<b>Familiar</b>	C, MATLAB, JavaScript, TypeScript, Groovy
	<b>Other</b>	Node.js, Angular, Bootstrap, Git, LaTeX, Jenkins, Amazon Web Services
	Phi Gamma Nu Professional Business Fraternity, <i>Technology Chair</i> EECS Department Crowds and Machines Lab, <i>Research Assistant</i> Society of Women Engineers, <i>Member</i> Indian American Student Association, <i>Dancer</i> Avid swimmer, pianist, photographer	