

JANANI CHINNAM

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EDUCATION	University of Michigan – College of Engineering B.S.E. in Computer Science, Graduation: April 2019 GPA: 3.4/4.0 Engineering Dean's Honor List (Fall 2017, Winter 2017) Relevant Coursework: 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), Artificial Intelligence (EECS 492), Machine Learning (EECS 445)	Ann Arbor, MI
EXPERIENCE	Cleo Software Engineering Intern, <i>Integration Cloud Team</i> • Designed and automated log aggregation and visualization pipeline for crisis troubleshooting and performance optimization in both development and live production system environments • Implemented build-stage testing suite to strengthen code coverage by running on new branch commits • 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 AgileSystems LLC Software Development Intern, <i>Magna Project</i> • 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 • Implemented MATLAB scripts to aggregate vehicle data and calculate overall statistics distributed by winter severity, focusing on locations of interest and various prediction scenarios Boston University Research Assistant, <i>Ultrafast Optics Laboratory</i>	Chicago, IL May – Oct 2017 Troy, MI Apr – Jun 2016 Boston, MA Jun – Aug 2014
PROJECTS	Node.js Security Check <i>Groovy</i> • 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 Phi Gamma Nu Delta Phi Internal Web System <i>HTML, CSS, JavaScript</i> • Fraternity recruitment scoring automation and internal voting system to streamline procedures • Public site and authenticated internal logistical pages for file sharing, organization, and member information MST and TSP Path-Finding Simulator <i>C++</i> • Systematically designs an optimal path between nodes with options to prioritize speed or accuracy • Utilizes bounding algorithms and various heuristic approaches to optimize solution speed and memory Magna Warranty Claims Forecasting Toolkit <i>MATLAB</i> • 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	July 2017 Jan 2017 Dec 2016 May 2016
SKILLS	Proficient C++, Java, Python, HTML, CSS Familiar C, MATLAB, JavaScript, TypeScript, Groovy Other Node.js, React, Angular, Bootstrap, Git, Jenkins, Amazon Web Services	
ADDITIONAL	Phi Gamma Nu Professional Business Fraternity, <i>Technology Chair</i> Crowds and Machines Laboratory, <i>Research Assistant</i> Society of Women Engineers, <i>Member</i> Indian American Student Association, <i>Dancer</i> Swimmer, pianist, photographer	