

Kelsey Meranda

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EDUCATION	University of Notre Dame Bachelor of Science GPA: 3.851/4.000	Major: Computer Science Major GPA: 3.924/4.000	Notre Dame, IN May 2017
EXPERIENCE <i>Internships</i>	Epic Systems <i>Software Developer & Intern</i> <ul style="list-style-type: none">Developed algorithm & UI using ASP.NET framework for patient similarity graphCompared and considered different supervised machine learning strategies for patient distance metrics and clusteringCollaborated with fellow intern on the Predictive Analytics team on project		Madison, WI Summer 2016
	NextEra Energy <i>Summer Intern</i> <ul style="list-style-type: none">Analyzed storage usage within the company using SQL to collect dataCompiled data into a user interface for managers to proactively monitor and allocate data storageOptimized memory management to improve the company budget		Jupiter, FL Summer 2015
<i>Technical Work</i>	Department of Computer Science <i>Teaching Assistant—Discrete Mathematics, Technical Concepts of Visual FX, and Theory of Computing</i> <ul style="list-style-type: none">Assist professor and other teaching assistants in grading assignmentsAnswer student questions on a course message board and during office hoursAttend regular meetings about course logistics with fellow instructors		Notre Dame, IN 2015-2017
	Undergraduate Research—Department of Computer Science <i>Research Assistant</i> <ul style="list-style-type: none">Researched and developed social sensing algorithms for compiling and analyzing large amounts of data from social networking websiteStudied how social networks are radically changing the rapidity of information and news sharing globally		Notre Dame, IN 2014-2015
<i>Projects & Hackathons</i>	AT&T Mobile App Hackathon, Study Spaces <ul style="list-style-type: none">Created web application to track locations of study groups on campusUtilized HTML, CSS, Javascript as well as Google Maps APIs and Parse platform databases in application developmentReceived Schurz Innovation Challenge prize for efforts in the Hackathon		Notre Dame, IN September 2015
	Course Project, C-Minor Compiler <ul style="list-style-type: none">Created an ahead-of-time compiler for a C-like pedantic languageScanned, parsed and typechecked files, producing error messages when necessaryGenerated equivalent x86 code outputted as a file		Notre Dame, IN Fall 2015
RELEVANT COURSEWORK	<ul style="list-style-type: none">CompilersDatabase PrinciplesAlgorithmsData StructuresBasic Unix for Engineers	<ul style="list-style-type: none">Natural Language ProcessingNeural NetworksWeb ApplicationsComputer GraphicsTechnical Concepts of Visual FX	<ul style="list-style-type: none">Theory of ComputingOperating SystemsComputer ArchitectureLogic DesignProgramming Paradigms
SKILLS	<i>Coding Languages:</i> C, C++, Python, HTML, CSS, Javascript, MATLAB, MIPS, x86, Oracle SQL <i>Computer:</i> Windows/Mac/Linux OS, ASP.NET, Amazon AWS, Firebase, Microsoft Business Intelligence Tools, Adobe Photoshop CC, Adobe Illustrator, Autodesk Maya, Quartus, QTSpm, WebGL, Git <i>Language:</i> Intermediate German		
LEADERSHIP AND ACTIVITIES	<i>Cataloguer</i> , Tau Beta Pi Engineering Honor Society <i>Vice President</i> , Upsilon Pi Epsilon Computer Science and Engineering Honor Society <i>Member</i> , Computer Science and Engineering Club of Notre Dame <i>Member</i> , Society of Women Engineers (SWE) <i>Irish Guard & CORE Member</i> , Marching Band of the Fighting Irish <i>First Chair Flautist</i> , Notre Dame Symphonic Winds Concert Band <i>Private Music Teacher</i> , Bandlink <i>Performer</i> , Pasquerilla East Musical Company (PEMCo) Pit Orchestra		