Kelsey Meranda

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EDUCATION	**University of Notre Dame**	Notre Dame, IN
	Bachelor of Science Major: Computer Science	May 2017
	GPA: 3.843/4.000 Major GPA: 3.917/4.000	

EXPERIENCE

Internships

Epic Systems Inc. — Madison, WI — Summer 2016
Software Developer & Intern
- Developed algorithm & UI using ASP.NET framework for patient similarity graph
- Compared and considered different supervised machine learning strategies for patient distance metrics and clustering
- Collaborated with fellow intern on the Predictive Analytics team on project

NextEra Energy — Jupiter, FL — Summer 2015
Summer Intern
- Analyzed storage usage within the company using SQL to collect data
- Compiled data into a user interface for managers to proactively monitor and allocate data storage
- Optimized memory management to improve the company budget

Technical Work

Department of Computer Science — Notre Dame, IN — 2015-Present
Teaching Assistant—Discrete Mathematics, Technical Concepts of Visual FX, and Theory of Computing
- Assist professor and other teaching assistants in grading assignments
- Answer student questions on a course message board and during office hours
- Attend regular meetings about course logistics with fellow instructors

Undergraduate Research—Department of Computer Science — Notre Dame, IN — 2014-2015
Research Assistant
- Researched and developed social sensing algorithms for compiling and analyzing large amounts of data from social networking website
- Studied how social networks are radically changing the rapidity of information and news sharing globally

Projects & Hackathons

AT&T Mobile App Hackathon, *Study Spaces* — Notre Dame, IN — September 2015
- Created web application to track locations of study groups on campus
- Utilized HTML, CSS, Javascript as well as Google Maps APIs and Parse platform databases in application development
- Received Schurz Innovation Challenge prize for efforts in the Hackathon

Course Project, *C-Minor Compiler* — Notre Dame, IN — Fall 2015
- Created an ahead-of-time compiler for a C-like pedantic language
- Scanned, parsed and typechecked files, producing error messages when necessary
- Generated equivalent x86 code outputted as a file

RELEVANT COURSEWORK

- Compilers	- Natural Language Processing	- Theory of Computing
- Database Principles	- Neural Networks	- Operating Systems
- Algorithms	- Web Applications	- Computer Architecture
- Data Structures	- Computer Graphics	- Logic Design
- Basic Unix for Engineers	- Technical Concepts of Visual FX	- Programming Paradigms

SKILLS

Coding Languages: C, C++, Python, HTML, CSS, Javascript, MATLAB, MIPS, x86, Oracle SQL
Computer: ASP.NET, Microsoft Business Intelligence Tools, Adobe Photoshop CC, Adobe Illustrator, Autodesk Maya, Quartus, QTSpim, WebGL
Language: Intermediate German

LEADERSHIP AND ACTIVITIES

Cataloguer, Tau Beta Pi Engineering Honor Society
Vice President, Upsilon Pi Epsilon Computer Science and Engineering Honor Society
Member, Computer Science and Engineering Club of Notre Dame
Member, Society of Women Engineers (SWE)
Irish Guard & CORE Member, Marching Band of the Fighting Irish
First Chair Flautist, Notre Dame Symphonic Winds Concert Band
Private Music Teacher, Bandlink
Performer, Pasquerilla East Musical Company (PEMCo) Pit Orchestra