Meg Ryan

1234 N Eddy St., Apt. 414, South Bend, IN 46617 / (708) 308 2067 / mryan29@nd.edu / linkedIn.com/in/meaghaneryan

Enrolled in the five-year dual degree engineering program, earning a bachelor's degree in Economics with a minor in Mathematics from Saint Mary's College in four years, and a second bachelor's degree in Computer Science from the University of Notre Dame following a fifth year of study.

HYBRID CLOUD INTERN

IBM, RESEARCH TRIANGLE PARK, NC ▪ 2017

Worked alongside the L2 TADDM customer experience and support team to assist customers in performing problem determination on IBM Cloud Software. Combined problem solving and communication skills to carry out debugging and analysis via the telephone as well as electronically. Interpreted complex software problems spanning across multiple clients and servers. Other responsibilities included developing a searchable server, testing and checking in scripts, and certifying DB2 version 11.0.1 for TADDM.

COMPUTER SCIENCE INSTRUCTOR

GIRLS WHO CODE, CHICAGO, IL ▪ 2016

Assisted in the instruction of a 7-week summer program designed to educate, inspire, and equip high school women with the skills and resources to pursue academics and careers in the technology and engineering sectors. Identified areas of weakness and provided one-on-one support to the students. Acted as a GWC ambassador, in addition to serving as a mentor and leader to the students. Curriculum included Scratch, Python, C++, HTML/CSS, and JavaScript.

PREDICTIVE DATA MODEL

UNIVERSITY OF NOTRE DAME, IN ▪ 2016

Developed a graphical user interface to model population growth on the moon, while determining the resources needed to sustain this population and the overall cost. Used MATLAB software to model differential equations for population growth that took into account a risk value, ratios of resources, and size of initial population. Final product evaluated these inputs to approximate the time until the population would become self-sustainable, if at all, and the overall cost of the mission.

INTERACTIVE ROBOTIC PROTOTYPE

UNIVERSITY OF NOTRE DAME, IN ▪ 2015

Created a partially autonomous robotic lion prototype for a fictional toy company. Developed computer programs to be executed by the pet as a finite state machine and downloaded using the NXT and associated LabView software. Utilized ultrasonic, touch, light, and sound sensors to incorporate features such as movement with object avoidance and respond to environmental stimuli in a way that resembled a lion.

SKILLS

Languages: C++, Python, Javascript, Bash, PERL, MATLAB, R

Core Competencies: Object-Oriented Development/Design, Complexity Analysis, Performance Optimization, Agile Methodology, Frontend and Backend Development

EDUCATION

University of Notre Dame – Bachelors
BS of Computer Science
Expected 2019

Saint Mary's College - Bachelors
BA of Economics
Mathematics Minor
Expected 2018

AWARDS

Madeleva Scholarship Recipient
Illinois State Scholar
PSAT Commended Student
AP Scholar with Distinction
J. Kyle Braid Leadership Nominee
Prairie State Achievement Awards in Reading and Science