Ann Keenan

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EDUCATION

University of Notre Dame   Notre Dame, IN
Bachelor of Science, Major: Computer Science   Jan 2018
Dean's List: Fall 2015, Spring 2016   GPA: 3.676/4.0

University of Notre Dame Global Gateway Program   Rome, Italy
Study Abroad, College of Engineering   Summer 2015

RELATED EXPERIENCE

Engineering and Science Computing   Notre Dame, IN
Computer Consultant   Sept 2015 - Present
- Imaged computers for departmental use
- Wrote scripts to facilitate data transfer between local systems and remote servers
- Refactored the code for the website API to unify the layout and provide easier access to information

Department of Psychology, Dr. Zhiyong Zhang   Notre Dame, IN
Undergraduate Research Assistant   Sept 2016 - Present
- Developed an interactive website for an online textbook
- Utilized PHP to communicate with the database and designed the front end layout with HTML and Javascript

Mobile Computing Lab, Dr. Christian Poellabauer   Notre Dame, IN
Undergraduate Research Assistant   Fall 2015
- Created a mobile application to detect autism in infants through the analysis of speech recordings
- Implemented a Java REST service and worked with javamail API functions for secure user email verification

PROJECTS

Theseus, Hesburgh Library Hackathon, 1st Place   Spring 2016
Web Designer
- Designed a website showcasing an updated mapping utility by implementing a shortest path algorithm
- Integrated Bootstrap base code with custom CSS and JS code in order to create a visually appealing webpage with intuitive user interactions
- Wrote multiple python and shell scripts to facilitate data flow from a database of books

Breaking Blue, CSE 20212 Fundamentals of Computing II   Spring 2016
Head Programmer
- Produced a visual effects game in C++ with the SDL libraries for a two-dimensional visual experience
- Optimized with OOP by applying polymorphism through inheritance hierarchies
- Created an AI to engage the user in an interactive fight sequence

WORK EXPERIENCE

Einstein Noah Restaurant Group, Inc.   Notre Dame, IN
Cashier   Jan 2015 - May 2016
- Managed and maintained the organization of merchandise while cataloguing inventory stocks
- Conducted store to customer transactions and deliveries for 10 – 12 hours a week, three days a week

ACTIVITIES

Appalachia: Science in the Public Interest (ASPI), *Volunteer*
Society of Women Engineers (SWE), *Member*
St. Adalbert School, *Volunteer*

SKILLS

Computer: C, C++, Python, HTML, CSS, PHP, SQL, Unix, Java, MATLAB
Language: Bilingual in English and Mandarin Chinese; conversational Spanish