Mary Ann Smith

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EDUCATION

University of Notre Dame — Notre Dame, IN
Bachelor of Science in Computer Science (Dual-Degree Engineering Program) — Anticipated May 2020

Saint Mary's College — Notre Dame, IN
Bachelor of Science in Computing and Applied Mathematics: Cumulative GPA: 3.82 — Anticipated May 2019
- Moreau Presidential Scholarship
- Mother Pauline Scholarship
- Akzo Nobel Merit Scholar
- Dean's List Fall 2015, Spring 2016, Fall 2016, Spring 2017

TECHNICAL SKILLS
- C++, C#, MATLAB, Python, HTML, CSS Linux, LaTeX, Visual Studio, LabView

INTERNSHIP AND RESEARCH EXPERIENCE

University of Notre Dame — Notre Dame, IN
Virtual Reality Development, Center for Digital Learning and Psychology Department — June 2017 – August 2017
- Utilized HTC Vive technology, Unity Game Engine, and C# to develop experimental environments in virtual reality for cognitive and behavioral psychology labs
- Used Agile software developing life cycle to create software projects

University of Notre Dame — Notre Dame, IN
Research Assistant, Center for Research Computing — August 2016 – July 2017
- Developed a multidisciplinary model that simulates population change and migration flows on a global scale
- Implemented model using Python and Parallel programming

University of Notre Dame — Notre Dame, IN
Research Intern, NSF Computational Social Science REU — June 2016 – August 2016
- Scripted an Agent-Based Model in MATLAB simulating societal well-being on a scale of 8 billion
- Presented research at summer symposium and communicated results via multimedia

RELEVANT WORK EXPERIENCE

Saint Mary's College — Notre Dame, IN
Helpdesk Consultant, Information Technology Department — August 2016 – Present
- Coordinate IT support for faculty and staff at Saint Mary's College

University of Notre Dame — Notre Dame, IN
Office Assistant, University Bands — August 2016 – Present
- Prepare music for University bands and assist Band Directors

VOLUNTEER EXPERIENCE

Take Ten Volunteer — January 2017 – Present
- Teach a skills-based conflict resolution class for youth with positive alternatives to violence and encourage them to make more informed choices when faced with a conflict

Holy Cross Band-link Program — October 2015 – Present
- Provide saxophone lessons to students at Holy Cross Grade School

CAMPUS INVOLVEMENT
- Pi Mu Epsilon (Mathematics National Honor Society), Vice President — January 2017 – Present
- Society of Women Engineers — September 2016 – Present
- Math and Computer Science Club — September 2015 – Present
- Marching, Concert, & Jazz Band — August 2015 – Present