

Permanent:
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Mary R Floren

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School:
25 E Rose Avenue
Oxford, OH 45056

Education

Miami University, Oxford, OH (August 2013- May 2017)
Majors: Computer Engineering, Electrical Engineering **Minor:** Computer Science
Overall GPA: 3.39/4.0, Dean's List for 2 semesters
Scholarships: Redhawk Excellence Scholarship, Charles & Ruth Isaac Scholarship, Buick Achievers Scholarship
Honors Programs: Miami University Honors program, Eta Kappa Nu (HKN)

Skills

- **Programming Experience**
 - Proficient in: Java, JavaScript, C++, Verilog, SQL, PowerShell, Visual Basic
 - Familiar with: PHP, C#, MATLAB
 - Other relevant experience: Node.js, AngularJS, NoSQL and SQL Databases, HTML and CSS, Bootstrap, MEAN stack development, assembly
- **Technical Projects**
 - Created a game using digital circuit logic on an FPGA using Verilog
 - Built and programmed NXT Robot for class competition to follow a color coded map with obstacles

Professional Experience

- SafeConnect Solar Software Engineering Contractor** (May 2016-December 2016)
- Constructed web application to manage interactions with customers, administrators, and partnerships
 - Designed a clean and intuitive UI consisting of product galleries, informational pages, and the checkout process
 - Stored all account and purchase information on a NoSQL database using MongoDB
- Marathon Petroleum Corporation Technology Infrastructure Intern** (May 2015-August 2015)
- Wrote PowerShell scripts to transfer 600 Wilco email accounts and information to Marathon accounts
 - Developed internal website using ASP.net MVC framework that stored a user's chat room settings
 - Led a group project to see if 3D printing would benefit Marathon by conducting internal and external interviews
- GE Aviation Information Technology Leadership Program Intern** (May 2014-August 2014)
- Simplified ad-hoc report results from over 4000 returns to only 46 returns by editing the SQL code
 - Created new tool for tracking non-GE parts on aircraft engines
 - Linked an engine information recording tool to internal databases regarding engine "births"
 - Organized a volunteer event for a group of 20 interns to clean up after the *Cincinnati Walk for Wishes*

Leadership Experience

- College of Engineering and Computing Student Council President** (December 2013-December 2015)
- Arranged and directed the 2014 and 2015 CEC Student Organization Fairs with 700 visitors and 21 organizations
 - Developed organization from two members to 30 members, bi-weekly meetings, and six executive positions
 - Worked directly with the Dean to improve the school through our Miami 2020 Plan proposal
 - Grew MU's national relations by opening involvement with the National Society of Engineering Student Councils
- Electrical and Computer Engineering Student Advisory Council Vice President** (January 2016-current)
- Directed departmental networking and social events such as an ECE cookout and bags tournament
 - Oversaw recruitment efforts, selecting 10 new members for the Student Advisory Council
- Theta Tau Professional Engineering Fraternity Professional Development Co-Chair** (May 2015- December 2015)
- Designed a plan of weekly professional talks and events
 - Organized multiple networking events with companies, including a Post-Career Fair Mixer
- Honors Program Student Ambassador** (December 2013-current)
- Led weekly tours through a dorm room and served on a student panel to answer questions about the program

Extracurricular Activities

- Alpha Kappa Psi Professional Business Fraternity** (January 2014-current)
- Theta Tau Professional Engineering Fraternity** (January 2014-current)
- Electrical and Computer Engineering Student Advisory Council** (January 2014-current)
- Scholar Leader Living Learning Community** (August 2014-May 2015)
- Knolls of Oxford Technology Volunteer | MU Dropouts (Skydiving Club) | Pistol Club | Drone Sports Club