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**Mary Rose Floren**

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Miami University

25 E Rose Avenue

Oxford, OH 45056

**Education**

**Miami University**, Oxford, OH Graduation: May 2017

Bachelors of Science **Majors***: Computer Engineering, Electrical Engineering*

GPA: 3.33/4.0, Dean’s List for 2 semesters **Minor***: Computer Science*

RedHawk Excellence Scholarship, Charles & Ruth Isaac Scholarship, Buick Achievers Scholarship

Eta Kappa Nu (IEEE-HKN), Miami University Honors program

**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

* Recreated a popular iOS application 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**

Distributed Energy Partners, *Software Development Contractor* (May 2016- current)

* Created web application to manage customer relations including customer-facing and admin capabilities
* Developed software using MongoDB, Express,js, AngularJS and Node.js (MEAN stack)
* Designed a clean and intuitive UI consisting of product galleries, informational pages, and the checkout process

Marathon Petroleum Corporation, *Technology Infrastructure Intern* (May 2015-August 2015)

* Constructed PowerShell scripts to transfer 600 Wilco email accounts and information to Marathon accounts
* Created internal website using Bootstrap, C# and ASP.net MVC framework, used at least 20 times per week by employees to store and update chat room settings
* Evaluated and edited 300 lines of Visual Basic code to fix errors with disengaging incorrect employee ID’s

GE Aviation, *Information Technology Leadership Program Intern* (May 2014-August 2014)

* Recipient of the GE Aviation “SimpliFly” award for new tool for tracking non-GE parts on aircraft engines, reducing the process by 90%
* Simplified ad hoc report results from over 4000 returns to only 46 returns by editing the SQL code
* Linked an engine information recording tool to internal databases regarding engine “births”

**Leadership Experience**

Electrical and Computer Engineering Student Advisory Council, *Vice President* (January 2016-current)

* Chosen by the chair of the department to be a part of the Council and plan events and tutoring for the department
* Arranged annual ECE After Dark event and ECE picnic as well as co-managed group meetings

College of Engineering and Computing Student Council, *President* (December 2013-December 2015)

* Developed organization from 2 members to having 30 members, bi-weekly meetings, and 5 executive positions
* Worked directly with the Dean to improve the school through our Miami 2020 Plan proposal
* Arranged and directed the 2014 and 2015 CEC Student Organization Fair with 700 visitors and 21 organizations
* Organized the 2013 and 2014 Senior Design Expo with over 50 projects and 200 guests

Theta Tau Professional Engineering Fraternity, *Professional Development Co-Chair* (May 2015-December 2015)

* Designed plan of 15 weekly professional talks and events
* Organized networking events with companies, including Post-Career Fair Mixer with 25 companies

Honors Program, *Student Ambassador* (December 2013-December 2015)

* Served on a weekly panel in front of tour groups to speak about the Honors Program
* Led weekly tours through dorm room and helped promote the program

**Extracurricular Activities**

**Alpha Kappa Psi Professional Business Fraternity**  January 2014-current

**Theta Tau Professional Engineering Fraternity**  January 2014-current

**MU Dropouts (Skydiving Club)** January 2014-current

**Scholar Leader Living Learning Community** August 2014-May 2015

**Knolls of Oxford Technology Volunteer** August 2013-May 2015