ryanmarion012@gmail.com ▪ 815.303.9022
ryanmarion.github.io

Ryan Marion

Experience

Product Engineer, Micron Technology ▪ June 2016 – Present
- Programmed Python and Perl scripts for testing automation to debug and resolve device issues.
- Designed and built a Perl software support tool with UI for improved user experience.
- Improved product development cycle times by debugging and validating C firmware in Verilog simulations.
- Standardized revision tracking of component trims by interfacing with MySQL database tool.
- Oversaw manufacturing schedules and projects, delegated debug efforts to other teammates, documented new business processes.

Product Engineer Intern, Micron Technology ▪ Summer 2014, Summer 2015
- Ran competitor analysis on product reliability for mobile markets, characterized competitor devices
- Simulated NAND devices with Verilog to enable C firmware debug
- Wrote technical documentation for new customer features

Research Assistant, ISU, Department of EE/CprE ▪ Spring 2015
- Performed research on Perovskite solar cells.
- Characterized new materials through I-V, CV, QE, and CFT measurements.

Projects

Flack – A desktop web application built with modern technologies (JavaScript, React.js, Redux, and Firebase) – based on the popular chat app Slack (link available on ryanmarion.github.io)

Personal Site – (ryanmarion.github.io) adaptive, mobile-friendly HTML/CSS/Javascript page that features links to my GitHub, LinkedIn and Projects.

Skills

Java, JavaScript, React.js, Node.js, Perl, SQL, MongoDB, Python, HTML, CSS, C

Education

Iowa State University–Ames, Iowa–B.S. Electrical Engineering (2012-2016)
GPA 3.88/4.0