

Leah M. Denham

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Experience

Polytron, Inc.

Design Engineer

Duluth, GA

October 2014–Present

- Paper Production Facility: Redesigned merge logic for efficiency and error reduction, maintained and improved current DCS, provided on site/on call support and maintenance, conducted data gathering used to monitor and improve product throughput, Reprogrammed palletizers to eliminate palletizing errors, provided on call site reliability engineering to maximize up time
- Chemical Solutions Company: Performed control panel audit and catalog of all IO for recommending system upgrades
- Large Municipal Government: Recommended systems based on an analysis of price, security, and reliability
- Ink Production Facility: Performed control panel audit and catalog of all IO for recommending system upgrades
- Wood Chip Conversion Biofuel Plant: Provided on site start up support
- Wood Preserve Production Plant: Performed control panel audit and catalog of all IO for recommending system upgrades
- In-House Efforts: Researched and created a sample program in Ignition (Inductive Automation's Integrated Software Platform for SCADA systems) for a Bedrock PLC

Georgia Institute of Technology Robotics and Intelligent Machines Center

Undergraduate Research

Atlanta, GA

August 2013–May 2014

- Developed and Designed Holonomic Dynamically Balancing Robot
- Team Development of DART and GRIP Software: Simulated Robotics Testing

Georgia Institute of Technology College of Computing

Student Assistant

Atlanta, GA

May 2013–August 2013

- Managed Social Media Accounts and Statistical Reports
- Developed OMSCS Program Website and Correspondence Management

Grace Hopper Women in Computing Scholarship Recipient

2012

Education

Georgia Institute of Technology

Bachelor of Science in Computer Science

Atlanta, GA

2011–2014

Appalachian State University

Bachelor of Science in Computer Science

Boone, NC

2010–2011

Programming Languages and Tools

Proficiency

- PLC Programming
- RSLogix 5000
- Git
- HMI Programming
- Allen Bradley
- Factory Talk View

Exposure To

- HTML and CSS
- Java/Javascript
- Siemens
- C
- L^AT_EX
- XML

Skills

Data Structures: Lists, Trees, Graphs, Hash Tables/Maps, Heaps

Algorithms and Paradigms: Graph Theory, Sorting Algorithms

IDEs and Editors: Android Studio, Eclipse, TeXworks, Vim, Notepad++

Design Software: Adobe Photoshop, Adobe Illustrator

Operating Systems: Microsoft Windows, Ubuntu, Arch Linux