

# Leah M. Denham

855 Peachtree St. NE – Unit 3204 – Atlanta, GA 30308

☎ (706) 831 0801 • ✉ ldenham828@gmail.com • in leahdenham

## Experience

### Polytron, Inc.

Design Engineer

Duluth, GA

October 2014–May 2016

- 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<sup>A</sup>T<sub>E</sub>X
- 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