# Leah M. Denham

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

☐ (706) 831 0801 • ☑ Idenham828@gmail.com • in leahdenham • ☐ Idenham3

## **Education**

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Computer Science

2011-2014

2012 Grace Hopper Women in Computing Scholarship

**Appalachian State University** 

Boone, NC

Computer Science

2010-2011

# **Work Experience**

Polytron, Inc.

Duluth, GA

Design Engineer

October 2014–May 2016

- o 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
- o Chemical Solutions Company: Performed control panel audit and catalog of all IO for recommending system upgrades
- o Large Municipal Government: Recommended systems based on an analysis of price, security, and reliability
- o Ink Production Facility: Performed control panel audit/catalog of all IO for recommending system upgrades
- o Wood Chip Conversion Biofuel Plant: Provided on site start up support
- o Wood Preserve Production Plant: Performed control panel audit/catalog of all IO for recommending system upgrades
- o 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 College of Computing

Atlanta, GA

Student Assistant

May 2013-August 2013

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

#### Georgia Tech School of ECE

Atlanta, GA

Teaching Assistant, Digital Design Lab

2012-2013

o Debugged and verified circuit and VHDL labs while answering student questions

# Research Experience

### Georgia Institute of Technology Robotics and Intelligent Machines Center

Atlanta, GA

Undergraduate Research, Advisor: Mike Stilman

August 2013-May 2014

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

# **Skills**

**Technologies**: Proficient with IEC 61131-3 standard languages, PLC programming, industrial HMI programming and design, SCADA, ICS design, Java; some exposure to HTML, CSS, Javascript, Python, C, LATEX, XML, VHDL

**Skills**: FPGA programming, hardware performance analysis, logic analyzers, oscilloscopes, soldering, embedded programming

**Applications**: Android Studio, Eclipse, TeXworks, Vim, RSLogix 5000, FactoryTalk View, git, SVN, Adobe Photoshop, Adobe Illustrator, Altera Quartus II, Microsoft Windows, Ubuntu, Arch Linux