

Alaina Do *[aa-LEYN-aa Doh]*

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Objective

I am seeking an electrical engineering internship position starting June 2021.

Education

Georgia Institute of Technology | Atlanta, GA

Master of Science in Electrical Engineering
GPA 4.00

Expected Graduation May 2022

Bachelor of Science in Electrical Engineering
GPA 3.34

Graduated May 2020

Clayton State University | Morrow, GA

Bachelor of Business Administration in Supply Chain Management
GPA 3.67

Graduated May 2012

Skills

Hardware: mBed, FPGAs, Oscilloscope, Logic Analyzer

Software: Altera Quartus II, AutoCAD, Inventor, InfinityQS, Intelix, SAP crystal, Teamcenter,

Programming: C++ (beginner), MATLAB

Communication: Technical reports, instruction manuals, presentations (large and small audiences)

Languages: Vietnamese (native)

Work Experiences

Hussmann Corporation, a Panasonic Company | Suwanee, GA

Application Engineer Intern | Sales Engineer Department

May 2019 – July 2019

- Provided engineering support to customers, sales, and manufacturing for multiple product lines before and after installation.
- Facilitated technical data regarding company's coils and condensers for CPQ (Configure/Price/Quote).
- Consolidated technical drawings and database for available products and assisted business analysts with the development of the new CPQ platform.
- Designed refrigeration systems according to customer specifications.

Engineering Change Order Coordinator | Supply Chain Department

August 2015 – May 2019

- Awarded 2018 Hussmann Employee Recognition Award for generating additional \$7000 in revenue.
- Reconciled reoccurring rework issues, resulted in the identification of misclassified rework costs over \$200k+
- Established, maintained, and updated ISO documentation for Engineering Change Order Process.
- Managed all engineering change orders, coordinated activities and reviewed goals of project with team members in India, Mexico, and multiple plants across US.
- Developed failure analysis and distributed timely, relevant rework and defects monthly reports to site leader and leadership team for Continuous Improvement.

Planner | Supply Chain Department

August 2015 – May 2019

- Planned daily and weekly work assignments with complete and clear work instructions for all direct and indirect labor reports
- Managed and reviewed bill of materials (CBOMs and PBOMs) based on engineer legends and supplier modifications.
- Worked closely with Manufacturing, Quality, Finance, Application and Design Engineers to ensure orders completed on time, within budget and scopes.
- Determined out-of-balance conditions, identified alternatives, and recommended action for approval

ECO Coordinator | Operation Excellence*July 2015 – October 2015*

- Identified bottlenecks in the production line and recommended process improvements through line balancing and kaizen activities, which reduced the cycle time by 90 minutes.
- Implemented improvements in the sheet metal area and performed time studies to redistribute the standard time.
- Audited 5S practices on a daily basis and recommended improvements.
- Collaborated with cross-functional teams to solve problems identified on shop floor using A3 approach.

Production Support Specialist / Manufacturing Department*May 2014 – July 2014*

- Maintained Production Control, Supply Chain, and Manufacturing updated daily on material shortages.
- Monitored inventory and analyzed requirements to develop strategies that meet delivery times.

Research Experience

Georgia Institution of Technology***School of Electrical and Computer Engineering | Opportunity Research Scholar******Undergraduate Research Assistant****September 2019 – April 2020*

- Collaborated with a team of undergraduate researchers to develop a novel microwave frequency rectifying antenna concept using inkjet printed circuits on a transparent substrate to reduce cost of wireless power transfer for Space Solar Power.

Georgia Institute of Technology Engineering for Social Innovation***Global Clinton Foundation Project****August 2019 – December 2019*

- Researched and designed a thermoelectric generator by leveraging the Seebeck effect to harvest electricity from wasted heat during the cooking process using materials that are accessible and abundant in the local Tanzanian community to satisfy the basic necessity.

Projects

Husmann Shark Tank Ideation Project*May – July 2019*

- Awarded first place in cross-departmental internship competition against 6 other teams.
- Ideated a new product on how to facilitate delivery of perishable products to university campuses and presented a value proposition, business case model, technical design, and customer discovery for the hypothetical product to the Executive Leadership Team.
- Patent application in process.

Clayton State University & The International Air Cargo Association (TIACA)*May - August 2012*

- Collaborated with 5 fellow students to research and develop an active web accessed data base consisting of 200 countries with pertinent information that supports the association's global membership when exporting product into the countries.

Relevant Coursework

Computer Communication & Networking: Concepts of physical, data link, network, transport, and application layers, circuit switching and routing concepts (routing, traffic/congestion control).

Electromagnetic (EM Application, EM sensing, and Radar): Basis of electromagnetic, transmission line concept, impedance matching network with lumped/stub elements, principal of waveguides, principals of microwave circuit design and antennas radiation, and radar systems.