Spencer Bongiovi

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331 Gardenia Drive
Evans, GA 30809
U.S. Citizen

Education

Georgia Institute of Technology | | Atlanta, GA
Bachelor of Science, Computer Engineering | **GPA:** 4.00 | Spring 2019

Kennesaw State University (Transfer) | **Hours:** 68 | Marietta, GA
Bachelor of Science, Electrical Engineering | **GPA:** 4.00 | Fall 2014 – Spring 2016

Work Experience

Medtronic — Minneapolis, MN
Manufacturing Engineering Intern — May – August 2018
- Designed queries in Microsoft Access using SQL to find scrap trends and automate scrap the reporting process to save $2000 in engineering costs per week.
- Redesigned production process to reduce missed product scans and ensure zero quality escapes saving $1500 in engineering costs per week.

Medtronic (Covidien) — Augusta, GA
Computer Engineering Intern — May – August 2017
- Developed program using Cognex In-Sight software on a camera to detect stray strings on sponges resulting in savings of at least $4500 per week and 99.75% reliability of sterile sponge production.
- Researched and implemented safety measures to protect over 100 drives on 4 high speed production lines from over 4000 amp power surges.

Textron Specialized Vehicles — Augusta, GA
Manufacturing Engineering Intern — May – August 2016
- Led team of more than 10 design engineers through the preproduction beta build of the Bad Boy Stampede Crossover utility vehicle.
- Designed production line sub-assembly stations resulting in increased quality and speed of part creation and transfer.
- Verified visibility of 100 hardware parts on the Stampede which increased profits by 0.8% per vehicle by decreasing excess levels of salt spray on hardware.

CB&I Areva MOX Services, LLC — Jackson, SC
Electrical I&C Intern — May – August 2015
- Created database of over 100,000 part numbers with their locations and PDFs in which they reside to reduce search time and confirm correct design.
- Restructured, sorted, and improved information classification of unorganized Excel files to increase visual appeal and understanding of patterns.

Skills and Knowledge
- Programming in C, C++, MATLAB, Python, SQL, Excel, and Assembly
- Digital Logic Design and VHDL Programming on FPGA
- Advanced Computer Architecture Including MOESIF Cache Coherency Protocol Design
- Computer Communications and Networking
- Understanding of Cloud Computing Including Block Chains, and Flask and Django Frameworks
- Understanding of Computational Probability, Statistics, Data Analytics, and Semiconductors
- Trained on Allen Bradley/Rockwell Automation Ladder Logic Programming
- Streaming Part-Time to Twitch.tv

Leadership
- National Merit Scholarship Recipient — Fall 2014 – Spring 2018
- Georgia Tech Student Staff Peer Leader — Fall 2017 – Spring 2019
- Led Staff Professional Development Seminar — Fall 2018