Contact

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Top Skills

C++
Embedded Software
Continuous Improvement

Emily Daitch

EDP at John Deere
Atlanta

Summary

Forget about being an expert or a professional, and wear your amateurism (your heart, your love) on your sleeve. Share what you love, and the people who love the same things will find you."
– Austin Kleon, Show Your Work

Hello, my name is Emily! Ask me about my international beginners web development study group (I moderate, and am not a web development professional).

Feel free to reach out to me.

Experience

John Deere
2 years 3 months

EDP
July 2018 - Present (2 years 2 months)
Des Moines, Iowa Area

- Electronics Engineering Group - Sprayers - Des Moines Works Factory, Ankeny, IA
• Refactoring C++ software to support implementing AutoSAR on John Deere Sprayers
• Developing MBSD components in MATLAB Simulink for use in the AutoSAR ecosystem

- Section Control - Intelligent Solutions Group (ISG) Urbandale, IA
• Lead developer of Manual Overlap Control App to provide more accurate yield data
• Contributed production software from Presentation layer down to Communication layer,
manipulating objects sent to other ECUs

- Automation Delivery Organization - ISG Urbandale, IA

• Learned Docker to containerize and modernize a legacy test environment, improving security
• Integrated the virtualized environment with Jenkins during shift to AWS cloud
• Refactored 20+ Jenkinsfiles

Rainbow Employee Resource Group Member
June 2018 - June 2020 (2 years 1 month)

• Organized resume review session with University of NC LGBT students
• Presented Educational LGBT material to a D&I curated diversity initiative

"Emily, thank you for your willingness to share your story so openly during the 3 Rainbow/Men as Diversity Partners engagements. You are truly amazing and I am inspired by your bravery. You have made a lasting impact on many people at John Deere. You are a gem and I am lucky to call you my friend."

John Deere
Product Development Intern
June 2017 - August 2017 (3 months)
Cary, NC

• Accelerated log analysis by automating detection of faulty signals
• Worked with Vector CANalyzer to solve engine-controller defects
• Tool design done in C-based CAPL (CAN Application Programming Language)

Georgia Institute of Technology Low Frequency Radio Lab
Undergraduate Research Assistant
August 2015 - May 2017 (1 year 10 months)
Greater Atlanta Area

• Prototyped a portable radio receiver to combat phase instability in the field
• Using BeagleBone Black Programmable Real-Time Units and Digilent FGPA
• Best Research Presentation Award 2016 and 2017

John Deere
Software Developement Intern
May 2016 - August 2016 (4 months)
Des Moines, Iowa Area

• Personally developed 3D-visualization playback tool for troubleshooting CV applications
• Gained experience with boost, Qt, and OpenCV
• Built HIL pipe to transmit images from a camera over the network to a Guidance Algorithm

Education

Georgia Institute of Technology

BS Computer Engineering, Computer Engineering · (2013 - 2017)