Michael Greer

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Technical Skills

Programming: SystemVerilog, C, Java, OOP familiar
Frameworks & tools : Altera Quartus Prime, ModelSim, Linux, Synopsys, Altium Designer, Eclipse IDE

Education

University of Wisconsin– Madison **B.S. Computer Engineering** **B.S. Computer Science**	GPA: 3.064	September 2016 – December 2018 *Madison, WI*
Madison Area Technical College **Pre-Major**	GPA: 3.756	September 2013 – May 2016 *Madison, WI*

Projects

- SystemVerilog module and Modelsim testbench to implement the ARP networking protocol using training from a networking course learning Ethernet, IP, ARP, TCP/UDP, etc.[Video presentation describing, designing, and coding FPGA module available for review on LinkedIn].

- Greer, M., Foltran, J., & Gutter, J. (2018). *The Use of Field Programmable Gate Arrays to Accelerate Neural Network Computation* [Scholarly project][Available for review on LinkedIn].

  - My contribution to this project was researching the implementation of a neural network in an FPGA. Other members researched neural network models, and speed metrics vs FPGA, GPU, and CPU.

- Greer, M., Wahner, M., & Stock, M. (2018). *Capstone Project Using Intel Cyclone V FPGA to Accelerate Triangulation Computation* [Scholarly project][Available for review on LinkedIn].

  - My contribution to this project was creating the implementation of our algorithm on the FPGA. Other members created a custom PCB board receiver & transmitter, and an embedded C GUI.

Achievements

- Dean's List - Honors | Fall 2017, Term GPA 3.500
- Dean's List - Honors | Fall 2016, Term GPA 3.583
- Dean's List - Honors | Fall 2015, Term GPA: 3.559
- Dean's List - High Honors | Spring 2015, Term GPA: 3.813
- Dean's List - Perfect Honors | Fall 2014, Term GPA: 4.000
- Dean's List - Perfect Honors | Spring 2014, Term GPA: 4.000
- Dean's List - High Honors | Fall 2013, Term GPA: 3.818

Experience

Landscaper — Jan 2019 - Current
Alt's Operation — Fitchburg, WI

- Operate hydraulic heavy machinery (e.g., Bobcat skid steer loaders).
- Design, create, and maintain gardens, parks, residential homes, and other outdoor landscapes.

Server — July 2012 - October 2018
Benvenuto's Italian Grill — Fitchburg, WI

- Served over 1000 tables over the course of 6 years, serving on average 6 tables at a time.
- Received a secret shop assessment score of 100%.

Project Manager — July 2014 - July 2016
Electric Forest Music Festival - Contract — Fitchburg, WI

- Defined customer specifications, created proposals, created bills of materials, designed, manufactured,

tested, trained, and delivered products at a deadline. Led a group of ten people to deliver products on site at Electric Forest Music Festival.
- Arranged LED panels along the perimeter of a picture frame to 'frame' the customers for taking photos. Used BX-5Q1+ full color led panel controller to drive p6 SMD full color led modules. Using LedshowTw 2014 for programming the image. Mobile operated using 54 C batteries.
- Manufactured and delivered a 16 foot tall picture frame used to frame groups of people for photography. Used PVC pipes for its construction, and cement bricks & ground screws for securing it structurally. Large vinyl wrap prints were created by printing press and wrapped around the frame skeleton.
- 300+ wooden picture frames were hung from the trees in the forest to frame customers for photos. Frames were painted by children in the Madison community as a community project. Frames constructed from wooden shipping pallets.