Brian Ford

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Education

University of Michigan Ann Arbor
Bachelor of Science and Engineering in Computer Science and
Engineering
Graduation: May 2013
GPA: 3.41

Academic Focus: Computer Science and Engineering
Topics covered:
- Algorithmic analysis and optimization
- Assembly language programming
- Combinational logic
- C++ programming
- Datapaths and finite state machines
- Debugging
- Design patterns
- Matlab simulation
- Object-oriented programming
- Problem solving
- Unit testing
- Verilog hardware description language

Experience

Lakeshore Public High School (August 2008 to May 2009)
IT Assistant
Maintained the network, servers, computers and other technology
resources at a public school. Performed both hardware and software
maintenance on hundreds of computers.

Whirlpool Corporation (May 2010 to August 2010)
Software Development Summer Intern
Worked in a software team developing using the Agile software
development techniques to maintain a GUI framework in C for an
embedded platform. Wrote unit tests, optimized components of the
framework, debugged issues.

Skills

Computer Programming
Experience in algorithmic design and implementation across a wide
variety of programming languages including assembly, C, C++, C#, Java,
JavaScript, PHP, and Python.

Embedded Systems
Experience writing circuits, hardware drivers, and assembly language instruction set architecture implementations in Verilog description language. Used the *Altera DE2 Development Board* with *Nios II* microprocessor and *Cyclone II* FPGA.

Website Design
Experience in creating front-end design with HTML, CSS, JavaScript, and Adobe Flash and programming webserver and database functionality using PHP and MySQL. Experience with emerging HTML5 technologies and AJAX.

References

Tony Seal – Information Technology Specialist
Lakeshore Public Schools
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Stevensville, MI 49127
269-921-2613
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Matthew Ebrom – Software Team Manager
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