Brian Ford

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Objective   Internship in a programming or development position.

Education   University of Michigan Ann Arbor
Bachelor of Science and Engineering in Computer Science and Engineering
Graduation: May 2013   GPA: 3.29

Academic Focus: Computer Science and Engineering
Topics covered:

- Algorithm analysis and optimization
- Assembly language programming
- C++ programming
- Computer architecture
- Datapaths and finite state machines
- Debugging
- Functional programming
- Matlab simulation
- Object-oriented programming
- Problem solving
- Unit testing
- Verilog hardware description language

Experience   University of Michigan Interaction and Social Computing Group (June 2011 to present)
Web Application Developer
Wrote and maintained a Firefox extension and web application used in research to gather data on reading habits of social news site users. Worked on a Facebook application allowing users to share exercise habits from pedometers and encourage each other to set and meet goals.

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.

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.

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 (canvas, history, and sockets) and creating mobile sites.