Jennifer Marx

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Education

Web Development Immersive, General Assembly (G/A)　　　Apr 2015
Three-month intensive program in full-stack web development

Boston University, College of Engineering　　　May 2012
Masters of Engineering in Electrical Engineering – Systems Concentration
G.P.A. 3.6/4.0
L.E.A.P. (Late Entry Accelerated Program)

Georgia Institute of Technology, College of Architecture　　　May 2005
Bachelor of Science in Industrial Design
G.P.A. 3.2/4.0 (Honors)

Technical Skills

Ruby, Javascript, Ruby on Rails, RSpec, Javascript, jQuery, Angular, Git, HTML5/CSS3, AJAX, Jasmine, Handlebars, Backbone, Heroku, Bootstrap, Postgresql, C++, Matlab, Adobe Illustrator, Capybara

Technical Experience

What I Can Eat App (WICE) G/A Project, Boston, MA　　　Feb 2015
Recipe app that accounts for a user's food allergies
https://wiceapp.herokuapp.com/
- Full Ruby on Rails App with Postgresql database
- Implement Test Driven Development with RSpec testing

Academic Project WSANs and Robotic Planning, Boston, MA　　　Feb 2012 – May 2012
- Designed a deployment plan for multiple mobile sinks in a WSAN to improve network lifetime
- Investigated current papers on improving WSAN network lifetime

Academic Research HYNESS Lab, Boston, MA　　　May 2011 – May 2012
R.U.L.E. Project (Robotic Urban-Like Environment)
- Programmed Zigbee RF4CE and Arduino Uno boards to build moving obstacles
- Programmed M3pi robots in C++ to run autonomous simulations

Academic Project Logic Design Course, Boston, MA　　　Spring 2011
"FPGA-Based Image Processing"
- Designed a UART for communication between the Xilinx FPGA board and Matlab using Verilog
- Helped implement the image filtering algorithms for image processing

Work Experience

Applications Engineer JENTEK Sensors, Waltham, MA　　　July 2012 – Jan 2015
- Wrote C++ software plugins for data processing on JENTEK's GridStation software package
- Wrote Matlab data processing programs to support the GridStation software package
- Supported programs with fatigue test planning and execution, data analysis, and writing reports

Office/Sales Associate Longleaf Lumber, Cambridge, MA　　　Aug 2006 - Dec 2010
- Utilized HTML to maintain and update company website
- Designed web and magazine ads using Adobe suite
- Sold antique lumber and other finished goods