

Jennifer Marx

Arlington MA ♦ jennifer@jkmarx.com
github.com/jkmarx ♦ www.linkedin.com/in/jkmarx

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