Matthew Behlke

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Skilled low-level and back-end developer with experience in testing and continuous integration.

Education	**ROCHESTER INSTITUTE OF TECHNOLOGY**	Rochester, NY
	Bachelor of Science in Computer Engineering, expected May 2016	GPA: 3.29/4.00

Experience

Tesla Motors, Inc. — Palo Alto, CA
Intern - Firmware — Jan. 2015 – Aug. 2015
Develop and maintain internal web apps and Stash and Jenkins plugins in Java and JavaScript. Improve SCons build scripts and develop distributed build system in Python.

IBM — Littleton, MA
Software Engineer Intern - Cognos TM1 — June 2014 – Aug. 2014
Wrote unit, integration, and performance tests for JavaScript and Java and fixed defects discovered by the tests; implemented an automated testing framework for JavaScript to integrate with existing Java framework; connected testing framework to Jenkins build system; used Dojo JavaScript toolset

Data Innovations — Fort Myers, FL
Software Engineer Intern — Aug. 2013 - Dec. 2013
Put legacy Java code under unit test; ran acceptance tests and fixed the defects that were found in Java; designed and developed a new Java application; created a RESTful web service in Ruby on Rails; followed the test-driven development process throughout

RIT Information and Technology Services — Rochester, NY
Senior Service Desk Representative — Nov. 2012 - Dec. 2014

Skills

Languages: Java (3 yr.), C#.NET (1.5 yr.), JavaScript (1.5 yr.), C/C++ (1 yr.), Python (1 yr.), Assembly (6 mos.)
Software: Xilinx, ModelSim, OrCad Capture, Visual Studio, Git, Linux
Hardware: Oscilloscope, Function Generator, Multimeter

EVT

RIT Electric Vehicle Team - Firmware team since Feb. 2014, 5-10 hours per week contributed
- writing data logger in python on Beaglebone microcontroller; receives messages over CAN and transmits them to a web app for storage and analysis
- writing BMS in embedded C on a PIC microcontroller; specific contributions include A/D conversion, sensor readings, converting from Arduino, CAN interface

Projects/Labs

Microcontroller Car: Programmed an R/C car to follow a line using an mBed and C
Smart Vending Machine: Led a team in developing an MVC Java application
Assembly: Wrote various programs and tested them on a Freescale microcontroller
Circuits: Constructed and analyzed various RLC circuits
Electronics: Constructed and analyzed circuits with MOSFETs and op-amps

Leadership

Electronic Gaming Society: Event Organizer, 2011 - 2013

Awards

RIT Presidential Scholarship
Dean's List: Fall 2011, Spring 2012, Spring 2014, Fall 2014, Spring 2015