

Matthew Behlke

mpb5575@rit.edu

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

Education

ROCHESTER INSTITUTE OF TECHNOLOGY

Bachelor of Science in Computer Engineering, expected May 2016

Rochester, NY

GPA: 3.29/4.00

Experience



Tesla Motors, Inc.

Intern - Firmware

Develop and maintain custom build tools and Atlassian and Jenkins plugins.

Palo Alto, CA

Jan. 2015 – present

IBM

Software Engineer Intern - Cognos TM1

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

Littleton, MA

June 2014 – Aug. 2014



Data Innovations

Software Engineer Intern

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

Fort Myers, FL

Aug. 2013 - Dec. 2013



RIT Information and Technology Services

Senior Service Desk Representative

Rochester, NY

Nov. 2012 - Dec. 2014

Skills

Languages: C#.NET (1.5 yr.), Java (1.5 yr.), C/C++ (1 yr.), Python (6 mos.), JavaScript (6 mos.), 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, 5-8 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; mentoring a freshman on this project
- writing BMS in embedded C on a PIC microcontroller; specific contributions include A/D conversion, sensor readings, converting from Arduino, CAN interface

Projects

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

Labs

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