Technical Skills

Formal Training/Certifications

Certs = [Certified Composites Technician, Carbon Fiber Composites, OSHA 30, Forklift, Overhead Crane, Fanuc Robot Operations, First Aid CPR AED, Lean Manufacturing, R Programming, Java Programming, SQL, Selenium, Software Quality Assurance, Web Technology, Software Test Automation, Software Web Application Testing, Black Box Testing, AutoCAD Civil 3D, Autodesk Revit Programmer, G-code, CNC]

Software Proficiency

Skills = [R/Shiny, Python, Ruby, Bash, Mathematica, Android SDK, HTML, Javascript, XML, CSS, SQLite, NoSQL, Safari, Chrome, Mozilla, IE, Word, Excel, PowerPoint, MS Project, Adobe Creative Suite, Photoshop, Illustrator Graphic Design, Mac OS, Android, Windows, Linux, Unix, C++, GNU, AutoCAD]

Professional Experience

HCR ManorCare – Toledo, OH
07/2016 – 09/2016
IT Security Analyst
  ● Developed R/Shiny application for analyzing SQL tables and databases
  ● Maintained dedicated Linux server to host Spring/Shiny web applications
  ● Developed markdown documents to automate emailing reports and analyze/visualize data

Freelance - Various Locations
01/2013 – Present
  ● Amazon EC2 Linux/Windows server administration
  ● HTML/CSS/javascript web application design and programming
  ● Audio transcription automation for production company

City of Palo Alto – Palo Alto, CA
01/2009 – 10/2012
Surveying Assistant
  ● Collected field data using GPS, processed data using Python and R Studio
  ● Created heatmaps and Engineering drawings from raw field data using AutoCAD Civil 3D
  ● Purchased and built truck-mounted RF boosting system for GPS data collection in remote areas
  ● Managed accurately multiple data collection, construction staking, and design projects

City of North Las Vegas – N Las Vegas, NV
06/2003 – 01/2009
Survey Technician
- ● Collected field data using conventional and GPS surveying methods for massive construction projects
- ● Supported AutoCad and GIS integration projects during design phase in Engineering Design Group
- ● Assured GIS system field-data-processing met quality standards between Survey and Design

Education and Training

Allegheny College – Meadville, PA
06/1995 - 12/1999
B.Sc. Mathematics

Pellissippi State Comm College – Knoxville, TN
01/2015 - 06 / 2015
Certificate in Electrical Engineering Technology and Sustainability Education (3.8 GPA)
Activities = [FANUC Robot Operations Certification 5/17/2015, FANUC Handling Tool Operation and Programming Certification 5/17/2015, Programmable Logic Controllers (PLC) Programming, Data Acquisition, Sensors, Robotics, Industrial Automation, Fanuc Programming, Labview Programming, Microcomputer Architecture, Electric Engineering, Sustainability, LEED GA]

Tennessee Technological University – Smithville, TN
06/2014 - 01/2015
Finished semester towards BFA Fibers and Metals (4.0 GPA)
Activities = [Screen print, Block Print, Shibori, Painting on fabric, Sewing, Weaving, Silk, Cotton, Wool; CAD Design, Illustration, Adobe Illustrator, Photoshop; Blacksmithing, Metalsmithing, Goldsmithing, Jewelry Manufacturing]

Roane State Community College - Clinton, TN
09/2013 - 09/2014
Advanced Manufacturing Technician Training (AMTEC)
Activities = [First Aid CPR Certification 11/19/2013, Lean Manufacturing Certification 1/31/2014, OSHA 30 Hour Certification 10/31/2013, Forklift Operations Certification 2/3/2014, Overhead Crane Safety and Operation Certification 2/4/2014, Basic Plumbing (40 hours certification), Basic Measuring and Machining (80 hours certification), Electrical Wiring and Maintenance (80 hours certification), Carbon Fiber/Composite Materials Fundamentals 5/23/2014, Fundamentals of Solar/Energy Efficiency 6/6/2014, Quality Assurance/Quality Control Certification 1/24/2014]

Roane State Community College - Oak Ridge, TN
09/2013 - 09/2014

Finished Semester of Advanced Composites Training at Oak Ridge National Lab ORNL (3.5 GPA)
Activities = [ACMA Certified Composites Technician (CCT-VIP certification) 8/6/2014, Carbon Fiber, Glass, Kevlar, Woven, Nonwoven, Manufacturing, 3D Printing, Solidworks]

National University - Las Vegas, NV
01/2007 - 01/2012
Finished 58.5/60 Credits towards M. Sc. Systems Engineering (3.3 GPA)
Activities = [Agile, DOD, Software Engineering, PMP, IEEE, Microsoft Project, Resource, Budget, Strategy]

College of Southern Nevada – Las Vegas, NV
01/2002 - 01/2007
Finished all courses towards A.A.S. Building Info Systems (3.3 GPA)

Volunteer Work

Spontaneous Volunteer - American Red Cross
2015

Programming Instructor - Hackthefuture.org
01/2013 - 12/2015

Programming Instructor - CoderDojo Silicon Valley
01/2014 - 12/2015

Operations Volunteer - HackerDojo Mountain View
01/2009 - 12/2013

Conference Crew - QCon
11/2012