Jeremy Paul Germita

Software Developer

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Seeking a position in: Software Development

I am a creative problem solver with a wide variety of skills and experiences across many fields in the engineering/design space. My specialty is developing creative solutions to meet or exceed project requirements. I thrive in a competitive environment where I can work to expand my skills every day.

TECHNICAL SKILLS

General	Slack, Google GSuite, Google Sheets, Microsoft Office, Airtable, Trello
IT/Networking	Windows Server administration, Meraki configuration and administration, Powershell, Google GSuite Administration, Network Troubleshooting, Windows
Software	Git/Github, Java, Apache TOMcat, Golang, Revel, National Instruments RoboRIO, Arduino
Computer Aided Design/Manufacturing	Autodesk Inventor, Grabcad, Onshape, InventorHSM, VCarve
Machines	Haas, Stratasys uPrint, WinCNC, Shopsabre CNC

EXPERIENCE

The Palmdale Aerospace Academy, Palmdale, CA

Network Systems Administrator
June 2015 - July 2019

- Developed and coordinated campus-wide maintenance and service procedures
- Assisted with the setup and configuration of a networking servicing over 2000 client users and over 2500 client devices utilizing Cisco and Cisco-Meraki equipment
- Administered servers running Windows Server 2008 and 2012
- Generated device specifications and procurement procedures

- Supported digital fabrication equipment - 3D printers, CNC routers, etc

NASA Armstrong Flight Research Center, Edwards, CA

Intern - Instrumentation Branch

June 2015 - August 2015

- Designed test fixtures using AutoCAD for sensor evaluation and testing.
- Wrote test procedures and oversaw the functional test and verification process to characterize the thermal and atmospheric performance of a thermal sensor

NASA Armstrong Flight Research Center, Edwards, CA

Intern - Operations Branch

January 2015 - May 2015

- Developed a calendar module for the DC-8 Operations Portal utilizing Java and Apache TomEE and Tomcat webservers

SMART Education, Palm Desert, CA

Robotics Instructor

July 2014

- Developed and coordinated a week-long introduction to STEM and Robotics summer camp for high school students at West Shores HS in Salton Sea, CA.
- Focused on creating introductory activities involving mechanical design, sensor usage, and basic Java programming

King's Academy, Lancaster, CA

Robotics Instructor

June 2014 - July 2014

- Developed and implemented an introduction to robotics summer camp for elementary school students with a focus in simple robot motion and sensor input using LEGO robotics systems

VOLUNTEER EXPERIENCE

FRC Team 5012 Gryffingear, Palmdale, CA

Team Advisor / Lead Engineering Mentor
August 2013 - Current
- Coordinated with school administration and faculty to facilitate unparalleled opportunities for high school students to work with industry professionals to design, build, and program large scale robots
- Mentored students in Java programming on National Instruments embedded systems, mechanical design with Autodesk Inventor, CNC machining, and electrical design.
- Coached the team to 3 regional wins and a world championship title

Robotics Event Volunteering

Event Director, Referee, Control Systems Advisor, Inspector, Webmaster
August 2013 - Current
- Volunteered at dozens of FIRST Robotics events around the Antelope Valley area and beyond.
- Held multiple technical and nontechnical volunteer positions to ensure a positive and inspirational experience for student participants on robotics teams.

Antelope Valley FIRST Robotics Teams, Lancaster, CA

College Student Mentor
May 2013 - May 2014
- Worked with high school robotics teams to develop student skills in mechanical design, Java and C programming, and team leadership.
- Worked with programs at Lancaster High School and SOAR High School

PERSONAL PROJECTS

- I maintain a personal portfolio site powered by the Revel framework with Go. (http://www.jgermita.me)
- I currently design and build combat robots for competition (http://www.jgermita.me/level5)
- I've pioneered the use of Monte Carlo simulations based analysis in competitive robotics.

AWARDS

FIRST Tech Challenge Compass Award

2014 Los Angeles Regional

The Compass Award recognizes an adult Coach or Mentor who has provided outstanding guidance and support for a team throughout the year, and demonstrates to the Team what it means to be a Gracious Professional.

I am the youngest person to receive this award at the regional level.