

Alberto Gomez

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St. Louis, MO 63112

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Overview

Passionate and detail-oriented individual with excellent communication skills and experience in multiple leadership roles. Expertise in design and simulation, in addition to radiation measurement, shielding, and technical writing.

Education

Missouri University of Science and Technology
B.S. Nuclear Engineering December 2013

Experience

Mastermind Escape Room
Game Master St. Louis, MO
September 2017 – Present

- Supervise and guide groups of people through a variety of problems
- Maintain a working knowledge of over 100 challenges
- Work in a dynamic environment requiring teamwork and quick problem solving

Missouri S&T Nuclear Engineering Department
Graduate Research Assistant Rolla, MO
August 2013 – August 2017

- Designed and set up a novel system for Computed Tomography
- Determined radiation shielding requirements and ensured safety of system
- Programmed accurate simulations of the system in MCNP to estimate radiation levels

Graduate Teaching Assistant August 2013 – August 2017

- Instructed daily labs and classes of over 50 students
- Developed and refined necessary lab procedures and lectures each year
- Maintained lab schedules and grading for all students

The Giddy Goat Coffee House
Barista Rolla, MO
July 2012 – July 2016

- Maintained a strong understanding of the preparation for over 50 drink and food recipes
- Managed transactions, inventory, and organization for the business

KMNR 89.7FM - Free Format Radio Station
Training Director Rolla, MO
June 2015 – June 2016

- Led a team of 3 to recruit and train over 50 new employees
- Solely designed new recruitment materials and a training handbook
- Conducted over 100 interviews and selected new members from over 150 applicants

Station Manager June 2014 – June 2015

- Oversaw operation of entire radio station, including compliance with FCC policies
- Maintained weekly and monthly meetings of over 100 employees
- Updated the organization's constitution and provided final word on all rules and decisions

Personnel Director June 2012 – June 2013

- Managed over 100 employees and their wages
- Coordinated and monitored employee schedules and attendance records

Computer Skills

C++	Python	Perl	Java
MS Database	MS Excel	MS PowerPoint	MS Word
HTML	Matlab	MCNP	NX Design
AutoCAD	Sketchup	ProSpect	MAESTRO

Related Coursework

Radiation Shielding	Nuclear Medicine
Reactor Physics	Image Processing
Heat Transfer	Fluid Dynamics
Radiation Measurement and Spectroscopy	Partial Differential Equations
Numerical Methods	Robot Vision

Activities

Missouri S&T Free Format Radio Station (KMNR) – *Radio Personality and Disk Jockey*
Missouri S&T Student Newspaper (Missouri Miner) – *Entertainment Writer*