John Doe

(XXX) XXX-XXXX | johndoe@gmail.com | www.linkedin.com/in/johndoe

**Expertise**

**Quality Assurance**

* Experience with daily, monthly and yearly quality assurance for Varian and Elekta machines
* Thirty Clinac hours in the Radiological Science and Engineering Laboratory using a Varian IX

**Computational Methods**

* Experience writing particle physics simulations in graduate and undergraduate courses
* Worked as a teaching assistant for an undergraduate Computational Physics class

**Technical and Professional Communication**

* Communicating with patients to cultivate understanding and comfort
* Participated in an oral presentation at the Research and Creative Works Conference

**Education**

**Master of Medical Physics Expected Graduation: December 2018**

Georgia Institute of Technology

* **Specialization:** Proton Therapy
* **Courses:** Radiation Therapy Physics, Treatment Planning Lab, Radiation Dosimetry

**Bachelor of Physics Graduation: December 2016**

Brigham Young University-Idaho

* **Specialization**: Particle Physics and Spectroscopy
* **Courses:** Atomic Physics, Anatomy and Physiology, Quantum Mechanics, Computational Physics

**Professional** **Experience**

**Teachers Assistant, Brigham Young University-Idaho January 2016-April 2016**

* Computational physics course with using Python
* Assisted in the classroom and was responsible for grading assignments

**Manager, Repair Technician, RadioShack June 2010-August 2017**

* Worked as a sales representative for several years before promotion to manager
* Performed cellphone repairs

**Academic Projects and Experience**

**Emory University Hospital**

Summer rotations

* Eighty-nine hours observing medical physicists, radiation therapists, and dosimetrists
* Observed special procedures such as HDR brachytherapy, SBRT, SRS, and gamma knife
* Weekly lectures from Emory faculty

**Elekta, Inc.**

Training course

* Basic usage of both the treatment beam and the imaging systems
* Performed quality assurance according to TG-142 and TG-51

**Georgia Institute of Technology**

Monte Carlo methods for beam analysis

* Wrote scripts to simulate and analyses internal point and external radioactive sources

Image reconstruction project

* Investigated interactive and back projection techniques
* Performed tomographic reconstruction of CT image

Treatment planning lab

* Constructed radiation treatment plans using 3D conformal, IMRT, and VMAT techniques
* Experience using Eclipse, Velocity, and MOSAIQ

**Brigham Young University-Idaho**

Positron spectroscopy research

* **Thesis:** “Temperature Dependent Doppler Broadening For Positron Annihilation Spectroscopy”
* Used models and numerical methods to describe experimental results

**Leadership and Communication Skills**

**Boy Scouts of America**

* Earned the rank of Eagle

**The Church of Jesus Christ of Latter-day Saints June 2011-June 2013**

* Served a two-year mission in Uganda and Ethiopia with several leadership positions
* Experience with several cultures, gained communication skills, and learned the value of service
* Spoke the basics of three languages and became elementary proficient at another

**Skills**

**Programming Languages**

Mathematica, Matlab, C, Python, TOPAS

**Machine Experience**

Varian IX, Versa HD

**Additional Graduate-Level Courses**

Radiation Biology & Oncology, Medical Health Physics, Nuclear Medicine Physics, Radiological Anatomy, Radiation Physics, Radiation Detection, Diagnostic Imaging Physics, Cancer Biology and Biotechnology, Medical Imaging Systems

**Additional Undergraduate-Level Courses**

Nuclear and Particle Physics, Thermal and Statistical Physics, Classical Mechanics, Electricity and Magnetism, Multivariable Calculus, Differential Equations, Linear Algebra