**Cezanne Guy**

E-mail: Cezanne9@gmail.com Mobile: (832) 233-2987

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| EDUCATION |

**Bachelors in PHYSICS** – The University of Texas at Arlington **May 2013**

* GPA: **3.698**/4.0 *Magna Cum Laude*
* Minor in MATHEMATICS

**Masters in Aerospace Engineering** – The University of Houston **Expected Graduation: Dec 2018**

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| TECHNICAL SKILLS |

* ProEngineer
* C++
* Matlab
* Microsoft Office
* LaTeX
* JAVA

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| PROFESSIONAL EXPERIENCE |

**NASA Flight Controller** – GHG Corporation, Houston, TX **May 2015 - Present**

* Thermal and Life Support Systems Flight Controller for NASA’s Orion vehicle

**Space and Solar Physics** – The University of Texas at Arlington **Oct 2011-May 2013**

* Analyzed geomagnetic storm data
* Researched associated fluctuations of the interplanetary magnetic field with storm strength

**High Energy Physics** – The University of Texas at Arlington **Jan 2012-Dec 2013**

* Tested photomultiplier tubes for use as a high resolution proton detector in the Large Hadron Collider
* Characterized the quantum efficiency of the tubes using Excel, Root, and C++
* Identified degradation in tube measurements in the highly saturated 500 kHz region
* Developed more efficient methodology to test the PMT lifetime for the environment in the ATLAS detector

**Medical Dosimetry** – The University of Texas MD Anderson Cancer Center **Aug 2013-Dec 2014**

* Calculated and modeled dose of ionizing radiation to the human body for cancer treatment
* Created detailed radiation plans to eliminate disease while sparing healthy tissue

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| STUDENT LEADERSHIP |

**Student Congress - President** – The University of Texas MD Anderson Cancer Center **2014**

* Plan and host all student congress meetings with the student body and executive committee
* Oversee committee leadership in community service and outreach

**Student Advisory Council to the Board of Regents - Historian** – The University of Texas System **2014**

* Maintain a knowledge of previous years’ activities to avoid redundancies and facilitate progress
* Collaborate with students to form recommendations and resolutions to the board of regents

**Society of Physics Students - Vice President –** The University of Texas at Arlington  **2013**

* Organized social and outreach events for physics students
* Facilitated repair of physics demonstration events

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| HONORS AND AWARDS |

* American Association of Medical Dosimetrist Education and Research Foundation Award
* University of Texas at Arlington McNair Scholar
* Louis Stokes Alliance for Minority Participation (LSAMP) Scholar
* Poster Presentation Award at national scientific conference (SACNAS)
* R. Jack Marquis Scholarship for service and academic accomplishment