|  |
| --- |
|  |

**Objective**

Admission for a master’s degree in aerospace engineering program, specialization in autonomous vehicle systems for atmospheric environment.

|  |
| --- |
|  |

**Education**

**The Ohio State University, College of Engineering  (2017’)**

* Aeronautical and Astronautical Engineering 2012 - present
* Computer Science and Electrical Engineering 2014 - present

Cumulative GPA: 3.19 /4.0

**New York University, School of Professional Studies**

* American Language Institute, 2011 - 2012

|  |
| --- |
|  |

**Experiences**

**NASA Project, Safety Management Software Development for Nuclear Reactor System 2015 – present**

* Risk analysis based on current state space matrices.

**OSU Rocket Club, The Ohio State University  2014 - present**

* Sensor development for mid-west competition; sensors to measure altitude and acceleration so that the rocket can deploy the parachute at a desired altitude.
* Leader of electronics team

**Undergraduate Research, The Ohio State University  2014 - present**

* UAV path generation, a quad copter finding a path and navigating to the target location
* Sensor fusion (micro sensors for attitude control + MS Kinect for navigation)

**NASA Airspace Operations Challenge, The Ohio State University  2014 May- Oct**

* GPS analysis and graphical representation of incoming data
* Developing ground control software

**Residence Hall Tutor, The Ohio State University  2013 Autumn**

* Tutored Physics, Chemistry, and Calculus

**Republic Of Korea Marin Corps, Sergeant, Mechanic, Pohang R.O.K  2008 - 2010**

* Worked as a maintenance mechanic for armored vehicles. (K - 200A1)
* Dispatched to Office of Inspectors General

**Korea Olympiad in Informatics, Deajon Jeonmin Middle School  2002**

* Developed a software for managing OBGYN clinic (MSVB6.0 and MSSQL)
* Networking and database

|  |
| --- |
|  |

**Additional Skills**

**Developing software in**

* Proficient usage of C++ and Qt. Also familiar with VB(+script), Java(+script), Arduino, and C#

**Playing Musical Instruments**

* Saxophone and Keyboard.

|  |
| --- |
|  |

**Miscellaneous**

**Personal Experience**

* Traveled Guam, Singapore, Malaysia, New Zealand, and Japan.

**Hobby**

* Reading books and writing blogs. Topics related to existentialism, world history, and modern physics.