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**Objective**

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

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**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

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**Experiences**

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

* A quad copter finding a path and navigating to the target location
* Stability control with PID using Parallax Propeller micro controller
* Sensor fusion (micro sensors for attitude control + MS Kinect for navigation)

**OSU Rocket Club, The Ohio State University Sep, 2014 – May 2015**

* Leader of rocket electronics team
* Sensor development for mid-west and 1000 feet competition; sensors to measure altitude and acceleration so that the rocket can deploy the parachute at a desired altitude.
* Rocket stability control

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

* Graphical representation of incoming data
* Developing ground control software

**Residence Hall Tutor, The Ohio State University Sep – Dec, 2014**

* Tutored Physics, Chemistry, and Calculus

**Republic Of Korea Marin Corps, Sergeant, Mechanic, Pohang R.O.K Jan, 2008 – Jan, 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 May, 2002**

* Developed a software for managing OBGYN clinic (MSVB6.0 and MSSQL)
* Networking and database
* Won bronze medal from city of Deajon

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**Additional Skills**

**Developing software in**

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

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**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.