BRANDON TASHI

Parsippany, NJ 07054
862.217.9919 • brandontibet@gmail.com • https://www.linkedin.com/in/brandon-tashi

Aerospace Engineering student seeking a full-time internship position in **General Engineering**. Expert in HTML, CSS, Bootstrap, Python, and JavaScript. Intermediate in Unity, C#, and MATLAB. Experienced in Fusion 360, AutoCAD, CATIA, Visual Studio, Sublime Text, Atom, and Command Prompt. Skilled in soldering, 3-D printing, and workshop tools. Proficient with Arduino and Raspberry Pi. Comfortable with Microsoft and Google Suite. Profound leadership/teamwork capability from being a cube satellite structures division lead.

EDUCATION

Embry-Riddle Aeronautical University
Bachelor of Science in Aerospace Engineering *Expected graduation: June 2024*
GPA: 4.0
Related Coursework:

Multivariable Calculus	Physics I For Engineers	Calculus 2
Graphical Communications	Intro to Programming for Engineers	English Composition

PROJECTS

Robot Vacuum Cleaner *Oct 2020 – Jan 2021*
- 3-D printed, designed in Fusion 360.
- Features a modular, flexible design.
- Uses ultrasonic sensors to navigate terrain/Arduino Nano powered.

Deep-Learning Voice Assistant *Jul 2020 – Jan 2021*
- Built using python library TensorFlow.
- Features geolocation-based weather, Wikipedia knowledge base, time check, “help” function.
- Uses Google Text-to-Speech/IBM Speech-to-Text APIs.
- Modular JSON training data frame to suit all applications; customizable wake phrases.

Two-Stage Model Rocket *Jan 2020 – Aug 2020*
- Consisted of an onboard Raspberry Pi Zero W, barometric pressure/temperature/altitude sensor.
- Uses cardboard tubing and 3-D printed fins/nose cones designed in Fusion 360.
- Wireless data stream to computer using a python server pipeline.
- Simulated rocket trajectory using Open Rocket.

AI Smart Glasses *Jan 2021 – Present*
- Carries an onboard Raspberry Pi Zero W and offline deep-learning voice assistant.
- Includes a microphone and bone conduction transducer; chassis designed in Fusion 360.
- Connects to multiple cellular devices via Bluetooth.

Smartwatch *Jan 2020 – Present*
- Touchscreen metro-styled UI built using HTML, CSS, JavaScript, and Metro 4.
- Raspberry Pi Zero W powered; integrated voice assistant using Flask.
- 3-D printed chassis designed in Fusion 360.

EXTRACURRICULAR ACTIVITIES

Embry-Riddle Future Explorers and Developers Society *Aug 2020 – Present*
Team Lead for Project Hermes - Structures Division
- Responsible for the chassis design of the cube satellite
- Researched information on possible cube satellite experiments/designs
- Attended team meetings that elaborated on current and future project concepts
- Established a cooperative and amiable atmosphere

ACCOLADES

Dean’s List – Embry-Riddle Aeronautical University *Aug 2020*
Dean’s List – Embry-Riddle Aeronautical University *Oct 2020*