

Jeremiah Lantzer

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EDUCATION

Embry-Riddle Aeronautical University of Daytona Beach, FL; Bachelor of Science expected December 2019.

Degree

- Software Engineering

Hacker Club Officer

- Hackathon Chair

PROJECTS

HackDFW

Spring 2016

Med Hub

- Developed an all in one intelligent medicine cabinet
- Used an android app to communicate and unlock it
- Used raspberry pi as the lock's communication platform

UHack

Spring 2016

Safe Key

- Developed a keystroke dynamics tracker
- Added a second level of safety to passwords and usernames
- Intended to identify different typing styles

SudoHacks

Spring 2016

Drone Drop

- Developed and autonomous drone delivery software platform
- Python back end communicated with the drone over a tethered connection
- Placed second overall at Sudo HackStetson

Thales Arduino Competition

Fall 2015

- Developed a tracking system to find imperfections in hand movements
- Built a prototype showing the correct movement to achieve a perfect shot
- Estimated the trajectory of the hand movements
- Warned the user to correct hand movements

Fire-Fighting Robot

Fall 2015

- Developed code for an autonomous firefighting robot
- Designed the entirety of the wall following algorithm

EXPERIENCE

Admissions Assistant

Embry-Riddle Aeronautical University

September, 2015 – Present

- In charge of shipping and inventory of recruitment materials

HackRiddle Co-Organizer

Embry-Riddle Aeronautical university

March 2016

- Organized the University's first ever programming competition

SKILLS

Programming Languages: Java, Python, Arduino(C++)

Software: Microsoft Office Word, Microsoft Office PowerPoint, Microsoft Outlook, Eclipse, Pycharm, Arduino Shell

AWARDS

Most Innovative App Hosted on Amazon Web Services x2

March 2016

- PolyHacks

Best Use of AT&T's M2X APIs

April 2016

- HackDFW

Professional Organizations

IEEE Student Member

March 2016

- Involved in projects pertaining to hackathons