

# David Jefts

Computer Science major focused on robotics and astrophysics seeking an internship for summer 2020.

## EDUCATION

**Embry-Riddle Aeronautical University (ERAU) — CGPA: 3.515**

*B.S. Computer Science — Minors: Computational and Applied Mathematics (May 2020)*

*M.S. Software Engineering (May 2021)*

- Dean's List, Fall 2017
- Presidential Achievement Scholarship, 2017, 2018
- Honor Roll, Fall 2018

## RECENT WORK EXPERIENCE

**Cray Inc. SHASTA Network Management Team, Austin TX**  
— *Software Engineering Intern*

May 2018 - August 2018

- Researched 3rd-party network management tools/API's
- Implemented software to integrate with 3rd-party network management tools under the direction of a senior engineer
- Participated in design with team lead/mentor in an Agile/Scrum development environment on a 9-person team
- Developed domain expertise, working as part of a small, on-site development team
- Developed network testing tools and robots using Bash and Python scripting

**Embry-Riddle Aeronautical University, Daytona Beach FL**  
— *Gaming Floor Assistant*

August 2018 - PRESENT

- Answer phone calls and greet Student Union visitors
- Answer a wide variety of questions from visitors, which can include students, faculty, staff, and the outside community
- Use proprietary software to log the use of publicly available items such as table tennis equipment, board games, and video gaming equipment

## PROJECT EXPERIENCE

**Under Ice Sampling Device — NASA's 2017-18 Microgravity NExT Challenge**

The Ice Core Collection Experimental Device (ICCED) proposal was accepted by NASA and our device was demonstrated in NASA's Neutral Buoyancy Laboratory in Houston TX for NASA's Microgravity University 2018 Challenge. [www.microgravityuniversity.jsc.nasa.gov/](http://www.microgravityuniversity.jsc.nasa.gov/)

**Agents AI Software — Software Engineering Practices Class Project**

Agents program that used machine-learning to optimize various stats of an Agent to give it the best survival chance. Coded in Java with a GUI in JavaFX

**IEEE SoutheastCon 2019 — Hardware Competition**

Created a robot designed to go around a track collecting and sorting small objects of various shapes, sizes, and colors, then delivering them to a collection area based on color.

Austin, Texas

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[linkedin.com/in/david-jefts](https://www.linkedin.com/in/david-jefts)

[github.com/elkshadow5](https://github.com/elkshadow5)

## SKILLS

Java, Python, Fortran, C,  
BASIC, Racket, Excel,  
MATLAB, C++

Agile-Scrum Development

MacOS, UNIX, Microsoft  
Windows, Linux

## LEADERSHIP

ERAU Microgravity Club  
Vice President

Institute of Electrical and  
Electronics Engineers  
Project Lead

Society of Hispanic  
Professional Engineers  
IT Chair — Built and  
maintain the website at  
[eraushpe.org](http://eraushpe.org)  
National Member

## LANGUAGES

English (proficient)  
Spanish (limited working  
proficiency)

## INTERESTS

Piano  
Astronomy  
Swimming  
Reading  
Gaming