

# David Jefts

Computer Science major focused on robotics and astrophysics seeking an internship for summer 2019.

## EDUCATION

**Embry-Riddle Aeronautical University (ERAU) — CGPA: 3.515**  
*Major: Computer Science — Minor: Applied Mathematics*

August 2017 - May 2020

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

**Pseudo Tamagotchi Program — Institute of Electrical and Electronics Engineers**

Project lead to create a playable game similar to Tamagotchi. Based completely in Java.

Austin, Texas

Daytona Beach, Florida

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## SKILLS

Java, JavaFX, Python,  
Bash, BASIC, Racket,  
Excel, C/C++, MATLAB

Agile-Scrum Development

MacOS, 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

Swimming

Reading