David Jefts

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

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EDUCATION

Embry-Riddle Aeronautical University (ERAU) — *CGPA: 3.515*
B.S. Computer Science — Minors: Computational and Applied Mathematics *(May 2020)*
M.S. Software Engineering — Accelerated Master's Program *(May 2021)*

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

RECENT WORK EXPERIENCE

Metecs, Houston TX
 — *Software Engineering Intern*

May 2019 - August 2019

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/

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

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
National Member

LANGUAGES

English (proficient)
Spanish (limited working proficiency)

INTERESTS

Piano
Astronomy
Swimming
Reading
Gaming