

David Lee Jefts

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OBJECTIVE

Computer science major seeking an opportunity to use programming skills and knowledge with an astrophysics aptitude to earn an internship developing software, working with robotics, and learning new professions.

EDUCATION

Embry-Riddle Aeronautical University (ERAU)

Bachelor of Science, Computer Science, May, 2020

CGPA: 3.625

Minors: Astrophysics and Applied Mathematics

PROJECT / TECHNICAL EXPERIENCE

- Embry-Riddle Aeronautical University Arctic Eagles Microgravity Club [ERAU]
 - Designed, proposed, and built an underwater ice sampler for NASA's Micro-G NExT 2018 Challenge
 - The Ice Core Collection Experimental Device (ICCED) was accepted by and will be demonstrated in NASA's Neutral Buoyancy Laboratory in Houston TX, June 2018
- Institute of Electrical and Electronics Engineers (IEEE) [ERAU]
 - Project lead and manager for a pseudo Tamagotchi machine-learning program
 - Project lead and manager for a Boids project using Arduino-Based Parallax Inc. Boe-Bots
- Society of Hispanic Professional Engineers (SHPE) ERAU EBoard IT Chair [ERAU]
 - Use Bootstrap to maintain the local chapter's website
 - Set-up and run all online meetings, discussions, events
- Designed and programmed in an Agile Environment an Agents program that used machine-learning to optimize various stats of an Agent to give it the best survival chance, ERAU, SE 300, Spring 2018
- Designed, built, and programmed an Arduino robot with an Agile team and programmed it to automatically follow a complicated line course and recognize colors on a course, ERAU, EGR 101, Fall 2017
- Individually created a Digital Museum Tour in iMovie about the Biomechanics of the Cattle Egret's Flight that was accepted by the Wayne State College A. Jewell Schock Natural History Museum for their MACRO Project, ERAU, COM 122, Fall 2017
- LEGO Mindstorms, line-following, color detection, object retrieval, 2006-Present
- Hand-built a total of 6 desktop computers for personal use, 2005-Present

SKILLS AND TRAITS

Programming Languages: BASIC, Java (JavaFX), Python, C, Matlab

Operating Systems: Microsoft Windows, Linux, UNIX, Macintosh OSX

Excel at working as both an individual and a team, including Agile-Scrum environments

Enjoy working with customers and solving problems

Self-motivated, confident, a quick learner, and organized

EXPERIENCE

Cleaning Crew, Kitchen Staff, Hooters, Jan 2018 to Present

Daytona Beach, FL

- Maintained kitchen and restaurant work areas, equipment, and utensils in a clean and orderly condition
- Prepared a variety of foods, such as meats, vegetables, and desserts, following approved procedures

Volleyball Referee, Soccer Referee, ERAU, Sept 2017 - Present,

Daytona Beach, FL

- Learned all of the rules for Indoor Volleyball and 6v6 Soccer in 3 days
- Kept track of up to 20 or more players on the field at once

Lifeguard, Cedar Park Summer Lifeguarding, May 2017 - Aug 2017, 3mos

Cedar Park, TX

- CPR and Heimlich certified, May 2017 - May 2019

Cashier, Hill Country Water Gardens & Nursery, Feb 2017 - May 2017, 4mos

Cedar Park, TX

- Cashiered, assisted customers with checking out, debugged computers
- Moved large plants and planned commercial displays to entice and appeal to customers
- Took care of all garden plants, informed customers on proper plant care

Store Associate, Races2U, February 2016 to October 2016

Austin, TX

- Identified and resolved the causes of networking and computer problems
- Conducted web-based market research to analyze the effectiveness of online presence and increase customer traffic
- Trained, supervised, and evaluated slot car users and customers
- Repaired slot cars, completed customer transactions, updated inventory, and stocked displays

AWARDS ACHIEVEMENTS MEMBERSHIPS

ERAU: Dean's List, Fall 2017; Presidential Achievement Scholarship, 2017

Co-Founder, Embry-Riddle Billiards Club, Fall 2017