David Jefts

Computer Science major focused on software development seeking an internship for Summer 2020.

Austin, Texas
(512) 779-5094
dvdjefts27@gmail.com
linkedin.com/in/david-jefts

github.com/elkshadow5

EDUCATION

Embry-Riddle Aeronautical University (ERAU) — *GPA: 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, 2019
- Honor Roll, Fall 2018

INTERNSHIP EXPERIENCE

METECS, *REALM Project*, Johnson Space Center, Houston TX
— *Software Engineering Intern at NASA* May 2019 - August 2019

- Provided software engineering services on systems that support NASA's International Space Station (ISS) and Lunar Gateway
- Developed software that aggregated data to assist NASA's Mission Control Center with the location information for items on the International Space Station
- Created a full-stack web tool to display the data from my software and delivered it to NASA Inventory and Storage Officers (ISO) for use in the Mission Operations Center

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
- Decreased workload and increased productivity for the team's Quality Assurance Tester

PROJECT EXPERIENCE

Research Paper: Fuzzy Testing — *Graduate Software Quality Assurance Course*

Six-page research paper on the capabilities, operation, and application of White- and Black-Box Fuzzy Testing in all forms of software development for the purpose of ensuring more reliable and secure software.

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 Course 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

RECENT WORK EXPERIENCE

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

August 2018 - PRESENT

- Answer phone calls 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

SKILLS

Python, Java, Bash, HTML, TypeScript, JavaScript, C, FORTRAN, BASIC, Racket, Excel, LaTeX

MySQL, MongoDB, Docker, Angular CLI, Node.JS RESTful API

Agile-Scrum Development

Linux, MacOS, Microsoft Windows, UNIX

LEADERSHIP

ERAU Microgravity Club
Vice President

Institute of Electrical and Electronics Engineers
Project Lead

Society of Hispanic Professional Engineers
IT Chair
Public Relations Officer

LANGUAGES

English (proficient)

Spanish (limited working proficiency)

INTERESTS

Piano

Astronomy

Swimming

Reading

Gaming