Luke Garrett Loera

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EDUCATION

Texas A&M University, College Station, Texas   Expected Graduation: December 2022
Sophomore Computer Science Major / Embedded Systems Integration Minor / Engineering Honors
GPR: 4.0

PROJECT EXPERIENCE

LukitoBuildz, Magnolia, Texas   November 2017 – Present
Self-Employed Craftsman
- Build specialized lighting and sign products for customers.
  - Ex: a smart mirror, engraved acrylic LED signs, an Ironman sign (incorporated a multi-piece infinity mirror, digital photograph screens, and light-diffused LED accent lighting), a modern bed, and a modern podium (link to video -- https://www.youtube.com/watch?v=8S7S5U33odY&t)

Calendar Project, C++   Summer 2020-Present
- Demonstrates command of abstract data types such as linked lists and stacks
- Developed using OOPS (including destructor, copy constructor, and copy assignment operator)
- Used file streams, string streams, and strings to parse data and write updated files
- Optimized runtimes for sorting and searching algorithms with divide and conquer method

Game of Nin, Python   Fall 2019
- Worked as a team to complete task well before the deadline and meet all requirements
- Developed rudimentary machine learning algorithm based on the reinforcement learning paradigm

WORK EXPERIENCE

Chick-Fil-A, Montgomery, Texas   May 2020 – Present
Back of House, Team Member
- Maximize store efficiency by organizing inventory, rotating chicken and other perishable items, and ensuring everything that was ordered was delivered
- Optimize food production and eliminate cross-contamination by making the least amount of movements possible when operating fryers and the breading table
- Assist kitchen leadership in developing new systems that will make food production and kitchen cleanliness more effective

ACTIVITIES

Marine Officer PLC, Officer Program, *Squad Leader*   July 2020 – Present
- Prepare officer candidates in my squad for Officer Candidate School physically and mentally
- Disseminate information from Officer-In-Charge to team leaders
  - Effectively utilize chain-of-command
- Understand strengths and weaknesses of the squad
  - Identify weak areas in squad members and work with them to make it a strength

TAMU Tri, Club Triathlon Team, *Member*   August 2019 – Present
- Raced and finished a full Ironman Triathlon (140.6 miles) – Less than 0.005% of the population have completed an Ironman race. *Less than 0.00001% of the population completes one at 18-years-old.*
- Develop discipline and resilience through consistent training and commitment to races

HONORS

National Hispanic Scholar   October 2018
- One of 5,000 Hispanic students in the nation awarded recognition based on PSAT performance.

TAMU President's Endowed Scholar   December 2018
- Chosen by university committee to receive 1 of less than 300 scholarships awarded to incoming freshman based on essays, merit, and service in community.

Houston Livestock Show and Rodeo Scholar   April 2019
- Awarded scholarship based on essay and resume. Less than 2% of those who applied received award.

SKILLS

- Proficient in Python, C++, HTML and CSS
- Certified in Microsoft Office (Word, Excel, PowerPoint, and Access)
- Soldering
- PADI Scuba Certified