Stephen Campbell

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EDUCATION

Bachelor of Science in Electrical Engineering   May 2022
University of Texas at Dallas, Richardson, TX   **GPA: 3.99/4.0**
Academic Excellence Scholar, Dean's List 2 semesters

PROFESSIONAL EXPERIENCE

Outdoor Trip Leader   September 2019 – May 2020

University Recreation   Richardson, TX

- Led 12+ students on off-campus excursions to foster an appreciation of the outdoors
- Adapted to changing needs by taking on new responsibilities ensuring positive participant experience
- Educated participants in outdoor ethics to encourage habits of environmental sustainability

Host   August 2017 – June 2018

Teddy Jack's Armadillo Grill   Amarillo, TX

- Professionally communicated with co-workers to decrease customer wait times
- Consistently assisted in team-based goals to motivate a collaborative team mentality
- Solved complex problems in high stress situations that resulted in greater efficiency for the restaurant

PROJECTS

Robot Arm Design Project   January 2019 – May 2019
Technologies Used: Arduino, MATLAB, SolidWorks

- Modeled and tested several iterations of an end effector in SolidWorks gaining insight into the engineering design process
- Simulated forward kinematics of robot arm resulting in simplified set of project constraints
- Programmed Arduino microcontroller to perform nuanced movements from sensor signal

Mathematics Editor Frontend Prototype   May 2020 – Present
Technologies Used: JavaScript, React, Parcel

- Implemented and adapted several algorithms from Knuth's *The TeXbook* with OpenType fonts
- Designed and built main application logic consisting of over 10k SLOC
- Utilized and gained a working knowledge of various Linux Command-Line utilities i.e. git, vi, etc.

ADDITIONAL SKILLS

- Proficient with C++, JavaScript