

Jonathan Le

214-603-8219 | jonathankevinle@gmail.com | www.linkedin.com/in/jonathankevinle | Plano, TX

Education

University of Texas at Dallas
B.S. Mechanical Engineering; GPA: 3.32

Richardson, TX
Jan 2020 – Dec 2022

Projects

Wearable IoT Device to Detect Abnormal Gait May 2022 – Dec 2022

- Designed, modeled, and prototyped a patent pending proof-of-concept wearable Bluetooth medical ankle device that analyzed real-time detection of abnormal gait with 90% accuracy with a team of 6 engineering students
- Created a machine learning model in Python to predict expected gait cycle using live data gathered from an IMU, ToF, FSR, and bending sensor mounted onto an Arduino board
- Managed team in creation of experimental design to capture over 100 different training and testing set data for machine learning model and led presentations in front of stakeholders
- Researched and tested properties and preparation techniques for silicon molding to embed device into custom 3D printed mold
- Documented meetings, design process, and code for future organizational reference
- Successfully demonstrated concept feasibility through field testing

Can Opener 3D Model Jan 2021 – May 2021

- Analyzed handheld functional can opener to obtain dimensions to be used in final model and collaborated with a design team of 3 student engineers
- Modeled an accurate representation of can opener in Creo Parametric that included 22 unique parts
- Can Opener assembly successfully mimicked real life functionality

Self-functioning Water Pump Aug 2019 – Dec 2019

- Led team of 8 students on design and fabrication of a self-functioning water pump within a budget of \$200
- Delegated tasks, ran meetings, planned designs and presented poster and oral presentation to Dean of Engineering
- Device successfully demonstrated required self-pumping functionality while remaining under specified budget

Experience

Pinto Urban Thai Diner June 2022 – Present
Team Member Richardson, TX

- Effectively coordinated daily dining operations, resulting in greater productivity and higher levels of customer satisfaction and handled all customer complaints with tact and diplomacy and quickly resolved issues
- Independently managed and in charge of preparing appetizers, drinks, and sides
- Ensured quality and proper presentation of food in a timely manner
- Read tickets and prepared, to order, all food items following standard recipes and procedures within specified time limits while adhering to customer's dietary restrictions

Battle Beaver Customs Nov 2015 – Aug 2021
Electronics Technician Richardson, TX

- Repaired, installed, configured, diagnosed, and modified existing game hardware while also providing technical support to over 70 trainees
- Performed reviews to ensure product's repair and work performed is in conformance with prescribed industry standards
- Managed logistics of supporting online orders, involving inventory management, order preparation, documenting records of work, and shipping

Skills

Design: SolidWorks, PTC Creo, AutoCAD

Programming: Python, C, C++, Arduino, MATLAB, Simulink

Fabrication: 3-D Printing, Soldering

Software: Microsoft Office Suites, Adobe Photoshop, Bluetooth