CLIVE UNGER

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EDUCATION

The University of Texas at Austin   Bachelor of Science, Electrical and Computer Engineering   December 2019
Junior Classified   McCombs Business Foundations Minor
Overall GPA: 3.83 | Major GPA: 3.94

Coursework   Algorithms, Probability, Software Design I & II, Linear Systems & Signals, Intro. Embedded Systems

EXPERIENCE

UT Solar Vehicle Team – *Electrical Team*   Spring 2017 – Fall 2017
• Collaborated with a team to design and build new solar powered car "BeVolt" for competition.
• Repaired and built, the subsystems that make up a solar powered vehicle.
• Maintained and debugged mission critical systems of six-year-old car for the 2017 American Solar Challenge.

Insurors Indemnity *– Web Developer*   Summer 2016
• Built a web component using React and Redux to populate a PDF with customer information and signatures.
• Reduced steps in company's work flow by developing a system to electronically process orders, previously mail-only.

Robotics Team for First Tech Challenge *– Programmer & Builder*   Fall 2014 - Spring 2016
• Designed, constructed, and competed with a Java based robot with 5 functional capabilities for scoring points.
• Won 1st at Regional and 5th at State in 2016.

ACADEMIC PROJECTS

Twitter Sentiment Analysis: HackTX   October 28-29, 2017
• Built and deployed a Python based web application which returned sentiment analysis data based on a user inputted topic.
• Utilized Flask framework for backend, Tweepy library for Twitter API, and Textblob library for text processing.
• Accomplished project under 24 hours with a team of four.

McCombs Summer Institute: Startup Project   Summer 2017
• Developed the necessary components for a startup company with a team over the span of the semester.
• Conducted market validation to pinpoint target customers and form a business strategy.
• Researched and developed marketing strategy, legal formation, and financial plan.

Intro. Embedded Systems: Game Design Project   Spring 2017
• Interfaced hardware and software to create an original game on two ARM based microcontrollers.
• Programmed driver utilizing the UART protocol for distributed computing multiplayer gameplay.
• Achieved all possible bonus credit through added features such as edge-triggered interrupts, UART, double-buffered
    graphics, and multiple sound effects.

LEADERSHIP EXPERIENCE AND ACTIVITIES

Texas Iron Spikes *– Men's Service and Spirit Organization*   Fall 2017 - Present
• Won New Member of the Semester Award - Fall 2017; Selected due to outstanding commitment to organization.
• Serving as Administrative Officer – Spring 2018; Second time in history of org that a new member was elected.

First-Year Interest Group (FIG) *– Lead mentor*   Spring 2017 - Present
• Assist the social and academic integration of 20 Freshmen into the college atmosphere through weekly seminars.
• Organize professor visit, time management lessons, registration advising, and team building exercises.

SKILLS AND ACCOMPLISHMENTS

Computer Skills: C, C++, Python, Java, Git, ARM Assembly, LabView, JavaScript, React/Redux, Node.js, HTML, CSS, Bootstrap, Ruby, Linux, Microsoft Suite
Honors: University Honors, Halliburton Scholar, National AP Scholar
Interests: Basketball, PC gaming, live music, cryptocurrency