

CLIVE UNGER

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EDUCATION

The University of Texas at Austin	Bachelor of Science, Electrical and Computer Engineering Minor: Business Foundations Overall GPA: 3.78/4.00 Major GPA: 3.86/4.00	May 2020
Coursework	Algorithms, Data Science, Software Design, Linear Systems & Signals, Embedded Systems	
Skills	Java, Python, Perl, C++, C, Git, Linux, Excel, SQL, ARM Assembly, HTML/CSS, JavaScript, React/Redux, AWS	

EXPERIENCE

NXP Semiconductors – Software Engineering Intern	May 2018 – Aug 2018
<ul style="list-style-type: none">Developed data analysis tool in Perl to extract and organize metric data from memory compiler automation logs.Improved data collection accuracy by 20% by identifying critical bugs in the automation flow.Designed schema for MySQL database and wrote complex queries to interpret data and identify errors.Automated the generation of reports for performance analysis and status updates of batch jobs.Presented project results to panel of upper management and suggested future improvements.	
UT Solar Vehicle Team – Electrical Team Member	Jan 2017 – Aug 2017
<ul style="list-style-type: none">Updated and built the subsystems of a six-year-old solar car, attaining 50% more performance from previous races.Led five-person sub-team to debug mission critical systems of vehicle during the 2017 American Solar Challenge.Researched embedded systems solutions for solar powered vehicles to aid team in development of new car.	
Insurors Indemnity – Web Developer	Jun 2016 – Aug 2016
<ul style="list-style-type: none">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.	

PROJECTS

Twitter Sentiment Analysis – HackTX, 24-hour Hackathon	Oct 2017
<ul style="list-style-type: none">Built and deployed a Python based web app to return sentiment data of a user inputted topic from Twitter.Utilized Flask framework for backend, Tweepy library for Twitter API, and Textblob library for text processing.	
McCombs Summer Institute – Startup Project	May 2017 – Aug 2017
<ul style="list-style-type: none">Researched and developed marketing strategy, legal formation, and financial plan with a team over the semester.Conducted market validation via a 100+ person survey to pinpoint target customers and form business strategy.	
Embedded Game Design – Embedded Systems Class Final Project	Jan 2017 – May 2017
<ul style="list-style-type: none">Interfaced hardware and software to create an original game on two ARM based microcontrollers.Programmed driver in C utilizing the UART protocol for distributed computing multiplayer gameplay.Achieved all bonus credit by implementing edge-triggered interrupts, UART, double-buffered graphics, and sound.	

LEADERSHIP

Texas Iron Spikes – Administrative Officer	Aug 2017 – Present
<ul style="list-style-type: none">Streamlined merchandizing process for organization; Saved 5% of annual budget.Assisted in raising over \$35,000 for the Special Olympics of Texas through multiple service events.	
First-Year Interest Group (FIG) – Lead Mentor	Jan 2017 – Dec 2017
<ul style="list-style-type: none">Directed the social and academic integration of 20 Freshmen into the college atmosphere through weekly seminars.Organized professor visit, time management lessons, registration advising, and team building exercises.	

HONORS

Unrestricted Endowed Presidential Scholarship – Prestigious, merit-based award nominated by faculty	Fall 2018
Eta Kappa Nu (HKN) – Electrical Engineering Honor Society	Spring 2018
Willie Tichenor Most Outstanding Rookie Award – Awarded for exceptional commitment to Iron Spikes	Fall 2017