

CLIVE UNGER

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EDUCATION

The University of Texas at Austin Bachelor of Science, Electrical and Computer Engineering **May 2020**
Minor: Business Foundations
Major GPA: 3.83/4.00 | Overall GPA: 3.77/4.00

Coursework Algorithms, Data Science, Software Design I & II, Digital Signal Processing, Distributed Systems
Skills Java, Python, Perl, C/C++, GitHub, Linux, Excel, SQL

EXPERIENCE

NXP Semiconductors – *Software Engineering Intern* May 2018 – Aug 2018

- Developed data analysis tool in Perl to extract and organize metric data from 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 find 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

- Upgraded and assembled subsystems of a solar car, attaining 50% more performance from previous races.
- Led five-person sub-team to debug mission critical systems during 2017 American Solar Challenge.
- Researched embedded systems solutions for solar powered vehicles to aid team in new development.

PROJECTS

/r/HipHopHeads Twitter Bot – *Personal Project* June 2018

- Built a bot using Python to query reddit.com/r/hiphopheads and tweet rising new posts.
- Deployed project as an AWS Lambda function to automatically run every 5 minutes.

Twitter Sentiment Analysis – *HackTX Project* Oct 2017

- Programmed Python web-app to analyze tweets and determine sentiment about arbitrary topic.
- Utilized Flask framework, Tweepy Twitter API, Textblob text parser, simple HTML frontend.

Mock Startup – *McCombs Summer Institute* May 2017 – Aug 2017

- Researched and developed marketing strategy, legal formation, and financial plan with a team.
- Conducted market validation via a 100+ person survey to locate target customers and plan strategy.

“Defuse: The Game” – *Embedded Systems Final Project* Jan 2017 – May 2017

- Created an original multiplayer bomb defusal game on two microcontrollers, achieving all bonus credit.
- Interfaced hardware and software for Serial communication, double-buffered graphics, and sound.

LEADERSHIP

Texas Iron Spikes – *Administrative Officer* Aug 2017 – Present

- 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

- Directed group of 20 Freshmen into the engineering school atmosphere through weekly seminars.
- Organized professor visit, time management lessons, registration advising, and team building events.

HONORS

Unrestricted Endowed Presidential Scholarship – Merit-based award nominated by faculty Fall 2018

Eta Kappa Nu (HKN) – Electrical Engineering Honor Society Spring 2018