Nicholas Gregg

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Chemical and Electrical Engineer looking for work to challenge and grow my technical expertise.

EDUCATION

Texas Tech University, Lubbock, Texas
Bachelor of Science in Chemical Engineering   May 2018
Bachelor of Science in Electrical Engineering   August 2019
GPA: 3.35

PROJECTS

- **(Verilog) RISC Based microprocessor:** Created RISC based microprocessor in Xilinx Vivado using verilog.
- **(C++) Image Decoding and Processing:** Designed code to accept an image and extract a code from it using a pre-provided key. After extraction performed contrast stretching or contrast equalization.
- **(Verilog) Autonomous Tank:** Worked with a team to create a tank that would navigate a minefield while tracking a 1000 Hz signal beacon.
- **(Python) Autonomous Soccer Team:** Worked with a team to create an autonomous swarm of robots tasked with playing a soccer like game.
- **Broadband FM Radio Receiver:** Worked with a team to develop and create a Broadband FM radio receiver capable of picking up signals between 88 and 108 MHz, Lead PCB design.

EXPERIENCE

TTU Electrical Engineering Department, Lubbock, TX
Pulsed Power Lab; Stockroom   September 2018 – August 2019
- Assist graduate students on projects using AutoCAD and Inventor.
- Managed Engineering stockroom, checking out equipment to students.

CNS Pantex, Amarillo, TX
Core Associate Engineer   August 2019 – May 2020
- Proposed Autonomous Guidance Vehicle (AGV) systems for onsite storage to senior management.
- Supported other projects within the development engineering department.

Lockheed Martin, Fort Worth, TX   June 2020 – Present
System Engineering Asc. - IFG EW
- Performed testing and troubleshooting tasks related to Electronic Warfare system on F-16.
- Generated SSOWs and Status reports for F-16 and F-22 Projects.
- Currently participating in 2021 Vega Program; Project #25

INVOLVEMENT

Chemical Engineering Car Team
Secretary   August 2017 – May 2018
- Managed internal documents and communication between teams
- Active member of combustion car

SKILLS/AWARDS

- Technical Skills
  - Microsoft office
  - MATLAB
  - Aspen Hysys
  - Git
  - ANSYS Maxwell
  - EagleCAD
- Languages
  - C++
  - C#
  - Python
  - Verilog HDL
  - Assembly