

TREY CORE

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TreyCore.com

EDUCATION

Louisiana Tech University
B.S. in Electrical Engineering
Concentration: Electronics

May 2019

EXPERIENCE

Lockheed Martin Aeronautics
Electronics Engineer, Secret Security Clearance

June 2019 - Present
Fort Worth, TX

- IFG Navigation Team, 2.5 years
 - Analyzed requirements, integrated features across functional teams
 - Participated in a blk 60 DMS program by managing supplier documentation
 - Meditated between LM testing experts and supplier engineers on testing requirements for DO-178/254 compliance
 - Brought engineering changes to review board
 - Participated in the system design for a new anti-jamming GPS antenna system
 - Conducted failure analysis and deficiency mitigation on aircraft systems
- F22 System Test Group, 2 years
 - Learned how to run an avionics integration and test lab
 - Created test procedures, ran testing scenarios in a virtual development environment
 - Conducted hardware in the loop regression testing
 - Analyzed testing data to address issues and adapt test procedures
 - Scrum lead for F22 system test team and assisted with agile tasking to manage team work load
 - Worked in classified environments and classified information systems
- Vega Program 2022
 - Conducted research in to Artificial Intelligence and Machine Learning methods and applications
 - Research AI and ML algorithm development methods and development environment requirements
 - Surveyed Aero engineers on current AI and ML development capacity
 - Created plans to stand up a centralized AI development group in Aero to support future projects

Audubon Engineering
Engineering Intern

Summer 2017
New Orleans, LA

- Worked on a team to complete a safety survey of an ammonia production plant
- Learned about industrial instrumentation and types of safety measures used on devices like intrinsic safety design
- Created an Excel database of every instrument in the production unit with the goal of finding any safety errors

TECHNICAL STRENGTHS

Computer Languages	C, Python, Verilog, Matlab
Project Management	Agile, Scrum, Kanban, Jira, Confluence
Tools	Auto CAD, Excel, Solidworks, Fusion 360, KiCAD

AWARDS AND RECOGNITION

Vega Program Participant	2022
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- System On Chip Development Environment

Featured On Hackaday.com	2019
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- My electric scooter project was featured for innovative design

PROJECTS

Electric Motorcycle	2022
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- Built a motorcycle with working lights, signals, and a 40 mph top speed

HOBBIES AND INTERESTS

- Volunteering
- Sailing
- Electronics, Soldering
- 3D Printing
- Amateur Radio