

Christian W. Moser

2423 N. Husband Pl., Stillwater, OK 74075

(405)-474-1625

A20173104

Education

Oklahoma State University – OSU

Bachelor's of Science In Computer and Electrical Engineering

Minor in Computer Science and Mathematics

Aug. 2019 – May 2023

Stillwater, OK, USA

GPA: 3.56

Awards and Recognition

- President's Honor Role
- Institute of Electrical and Electronics Engineering

Experience

Software Developer Level 2

Jeppesen, a Boeing Company

May 2022 – Present

Remote/ Englewood, CO

- Assist in maintaining and developing new back end components of Java applications in SpringBoot framework
- Assist in maintaining and developing new front end components of JavaScript in frameworks such as Angular
- Good SQLite database management for client information and geographic information system (GIS) mapping

Undergraduate Researcher

Oklahoma State University

Jan. 2022 – Present

Stillwater, OK

- Coordinate infrastructure used for testing susceptibility to side-channel attacks
- Implement and design Advanced Encryption Security algorithms to be utilized by Field-Programmable Gate Array (FPGA) boards under attack
- Work within interdisciplinary group to implement side-channel attack countermeasures into supervised neural networks

Assistant Technician

Kicker Stillwater Designs

May 2021 – May 2022

Stillwater, OK

- Test, diagnose, and repair Class AB and D amplifiers, speakers, and various audio electronics, yielding daily between 7 to 14 completely repaired electronic systems
- Operate Audio Precision testing equipment to measure Signal-to-Noise (SNR), frequency filtering through Bode plots, and maximum power output of power electronic systems
- Work closely with schematics to diagnose specific device failures
- Regularly replace both surface-mounted and through-hole soldered devices during repairs
- Overhauled and restructured entirety of department VBA-based Excel sheets to increase productivity and throughput

Activities and Involvements

Institute of Electrical and Electronics Engineers

Officer

Fall 2021 – Present

- Coordinate professional development events to raise awareness for electrical engineering opportunities available to peers in my academia
- Spearhead both hardware- and software-based projects to foster a productive environment and improve quality of life on campus

Theta Tau Professional Engineering Society

Member

Fall 2021 – Fall 2022

- Coordinate Brotherhood events to generate a healthy-community environment among other members of the society
- Help organize outreach events and foster professional development among peers

Association of Computing Machinery

Member

Fall 2021 – Present

- Integrate engineering principles and concepts into organization to offer broader perspective of the computer science field as a whole
- Execute outreach events to generate awareness of organization

Engineers Without Borders

Member

Fall 2019 – Spring 2020

- Participated in community-building activities and volunteering opportunities

Technical Skills and Interests

OS: Windows, Linux, UNIX, macOS

Programming Languages: C, C++, Python, MATLAB, Java, SystemVerilog, C#, JavaScript, Ruby

Software: *CAD & Modeling:* AutoDesk Inventor; Blender 3D Rendering Software *Circuit Analysis and Design:* OrCAD Design Tools, ModelSim, Intel Quartus Prime, Xilinx Vivado

Interests: Algorithm design; Artificial Intelligence and Machine Learning design; Circuit design; Electronics design; Semiconductor design

Version Control: Git

Writing: \LaTeX