

Makya Stell

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Seeking an entry-level technical position that requires a background in electrical and computer engineering. Proven history of intensive research through experience, publications, and presentations. Possesses the ability to effectively communicate with others and foster an environment that is focused on developing, training, and implementing a team.

Education

University of Oklahoma, Norman, OK **GPA:** 3.17

Graduation Date: May 2022 (BS) / May 2023 (MS)

Accelerated Master/Bachelor of Science in Computer Engineering

Relevant Courses (Completed/In Progress): Programming Structures and Abstractions(Java), Electrical Circuits 1-2/ Probabilities, Stats, and Random Processes(MATLAB), Microprocessor System Design(C++), Digital Design Lab(C), Measurement and Automation(NI LabVIEW), Software Engineering(AWS/GCP), Computer Architecture (Assembly), Digital Design/Circuits Lab/Electronics Lab

Activities: OU Vice President's Advisory Council(Spring-Fall 2021), National Pan-Hellenic Council(President Fall 2020-Fall 2021), Kappa Alpha Chapter of Delta Sigma Theta Sorority, Inc. (Treasurer Fall 2020-Spring 2022), National Society of Black Engineers(2017-2022), PCI Committee Fall 2018-Spring 2019), Army Reserve Officer Training Corps

Employment Experience

The Ronnie K. Irani Center for the Creation of Economic Wealth (I-CCEW)

Norman, OK

Software Developer for Software Business Accelerator (SoBA)

01/2022- Present

- Created a web application to assist a target market of 1.1 billion dollars.
- Implemented React.js and CSS to develop a website within a team of 3 other developers.

Oklahoma Louis Stokes Alliance for Minority Participation (OK-LSAMP)

Norman, OK

Research Assistant OU Data Lab, The Visual Inspection of Personal Exposed Records (VIPER)

01/2019- Present

- Working in a team of 4 people to create and train an object detection model to detect private information
- Presented research at the OK-LSAMP Research Symposium and the National Conferences on Undergraduate Research (NCUR)
- Published research journal in Information (MDPI) - Special Issue: End of Privacy?

Oklahoma Army National Guard

Mustang, OK

205th Network Support Company Cadet

06/2018- Present

- Currently serving as the Maintenance Officer/CMDP Coordinator and overseeing the CMDP and a team of 9 soldiers
- Leading 14 win-t soldiers as the acting second platoon leader
- Received training and certification on the Blue-Sky Net Mast Direct System to assist with disaster relief

Modification Application & Systems, LLC

Oklahoma City, OK

Founder/CEO

06/2018- Present

- Successfully operating a business that has assisted over 200 clients within their web development projects
- Employed, trained, and currently overseeing 6 web developers to assist with the company's projects

Relevant Projects

Graduate Research-"Analysis of CPU Security Vulnerabilities"

Spring 2022

- Analyzed the effects of transient execution attacks and mitigation techniques that are being implemented by modern processors.

Microprocessor System Design-"Digital Thermometer"

Spring 2021

- Used C++ to program in mbed and read the temperature with the MCP9700A while displaying each digit on a 7-segment display.

Digital Design Lab-"Tic Tac Toe Game"

Fall 2021

- Utilized the LPC1769 LPCXpresso board to create a grid of 9 bi-color LEDs controlled by a matching grid of switches using register definitions and C to define the inputs (switches) and outputs (LEDs).

OU Data Lab-"Analysis of Visual Privacy Leaks on Twitter"

Fall 2020

- Created a web scraper using Python and tweepy to collect over 18,000 images and classify them into categories based on severity.

Relevant Skills

- **Programming Languages:** C++, C, Java, Python, JavaScript, Assembly Language, HTML
- **Operating Systems:** Windows, Linux, macOS
- **Software:** MATLAB, NI LabVIEW, Multisim, Eagle, MS Office Suite, Gitbash, PowerShell, Putty, Google Cloud SDK Shell
- **Integrated Development Environment:** VMWare, Eclipse, Microsoft Visual Studio, MCUXpresso
- **Lab and Hardware Skills:** Oscilloscopes, Waveform Generators, Multimeters, Soldering, Breadboard Layout, PCB Design

Other Awards and Interests

PC Designing and Building, Reading, Blogging, Painting, Traveling, and Game Development

Recipient of OK-LSAMP 1st place Non-Life Sciences Poster Presenter, Army Achievement Medal, Dr. Wayne Jones Fulfilling the Legacy Award, Colonel Henry "Hank" Tuell Award, and the NSBE Freshman of the Year