

Joshua Gao

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EDUCATION

B.S. Cognitive Science: Machine Learning Focus; Entrepreneurship Minor **GPA 3.7**
The University of Texas at Dallas: *Cum Laude, Academic Excellence Scholarship* **Aug 2017 - May 2021**

WORK EXPERIENCE

Sharp Vision Software - Machine Learning & AI Specialist, Houston, Texas **May 2021 – Current**

- Engineered multiple conversational chatbots acting as medical patients to better enable military medical instructors to teach medical best practices
- Led a team of practicing nurses to test the chatbots and improve their sophistication
- Fully simulated bodily processes including heart rate, respiratory rate, pulse oximetry and more depending on the relevant medical diagnoses by using CAE's manikins to create more life-like environment for medical students
- Researched and implemented computer vision technologies such as YOLOv4, Mask-RCNN and other deep convolutional neural networks to better map augmented reality body parts onto a simulated medical patient

Zions Bancorporation - TREO IT Intern, Salt Lake City, Utah **Jun 2020 – Aug 2020**

- Worked with multiple IT teams to organize job scheduling, initializing servers and patching cybersecurity vulnerabilities
- Created an "Acronym Cheat Sheet" that categorized and defined over 1,000 cybersecurity, IT, and
- Assisted management with coordinating business activities between accounting, sales, customer relations, and marketing groups

LEADERSHIP EXPERIENCE

UTD Fusion - Founder and President **Mar 2017 – May 2021**

- Created a diverse charity acapella group that raises money through our own shows and donates it to banking acronyms and concepts
- Researched a solution to reduce the number of excess network monitoring tools to one effective tool

Motor King International - Business Development Intern, Tamale, Ghana **Jun 2018 – Jul 2018**

- Conducted market research at retail locations to analyze the socioeconomic demographic of customers
- Organized meetings between the Burkina Faso Ambassador and Motor King International executivesvarious charities and causes

UTD Kung Fu Club - President **Jun 2018 – Jul 2018**

- Communicates with UTD Club Sports Director and affiliated institutions on club needs and persuades them to commit over \$1000 every year with an annual budget proposalBoosted club membership rates by 100% by revamping the marketing strategy and restructuring the officer team to run more efficiently and by enforcing a higher level of quality and care in any work
- Manage all social media accounts, leading to an attendance of over 50 people at our debut performance

TECHNOLOGY SUMMARY

Languages: Python, JavaScript, Java, C++, HTML, CSS, SQL

Operating Systems: Linux, Windows

Tools: Git, TensorFlow, Dialogflow, OpenCV, Rasa, Google Cloud Platform, Firebase, VirtualBox, NodeJS, MongoDB, React, React-Native, Expo, Raspberry Pi, Jetson Nano, Microsoft Office Suite (Excel, Word, PowerPoint), Figma