# Joshua Gao

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## EDUCATION

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

## WORK EXPERIENCE

**Sharp Vision Software**                                    **May 2021 – Current**
ML / AI Specialist                                    Houston, Texas
- Engineered multiple conversational chatbots acting as medical patients with different diagnoses in order to better enable military medical instructors to guide medical students to understand patient interaction best practices
- 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 situations 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 medical patient in order to enable medical simulation

**Zions Bancorporation**                                    **Jun 2020 – Aug 2020**
TREO IT Intern                                    Salt Lake City, Utah
- Worked with multiple IT teams to complete challenging tasks such as job scheduling, initializing servers and patching cybersecurity vulnerabilities
- Created an "Acronym Cheat Sheet" that categorized and defined over 1,000 cybersecurity, IT, and banking acronyms and concepts
- Conducted a Single Pane of Glass research project to find an optimal network monitoring tool

**Motor King International**                                    **Jun 2018 – Jul 2018**
Business Development Intern                                    Tamale, Ghana
- Conducted market research at retail locations to analyze the socioeconomic demographic of customers
- Organized meetings between the Burkina Faso Ambassador and Motor King International executives
- Assisted management with coordinating business activities between accounting, sales, customer relations, and marketing groups

## 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