Shenao Zhang

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Berkeley, CA/Guangzhou, Guangdong

SUMMARY

- Third year student at South China University of technology, now an international student at UC Berkeley. Experienced in machine learning, computer graphics, deep learning, artificial intelligence.
- Capable of Python/C++/Matlab/Latex/Tensorflow.
- Able to commit up to 9 months.
- Github:https://github.com/zsano1

EDUCATION

South China University of technology *Aug 2016 - Jun 2020*

Information Engineering *Guangzhou,China*

- GPA：3.54 / 4.0 (Top 10%)
- Honors/Awards: Smart car competition(Robot Cup),won the second prize. 2017.6
  Undergraduate Electronic Design Contest-2018 Embedded System Design Invitational Contest-AI theme(Intel Cup), won the third prize. 2018.6
  Guangdong Electronic Design Competition-Artificial Intelligence theme, won the second prize. 2018.8
- Relevant Coursework: Signal and system, Digital Signal Processing, Computer Version

University of California, Berkeley *Jan 2019 - May 2019*

(international student now) Computer Science *Berkeley, USA*

- Relevant Coursework: Computer Graphics, Intro to AI, Machine Learning, Efficient Algorithms and Intractable Problems

PROJECT EXPERIENCE

Smart health care system *Dec 2017 - Jan 2019*

Guangzhou

- Help do research with Professor Qin Huabiao at SCUT. The project is designed to help the old take care of themselves at home. It contains many functions as a system.
- I mainly design the AI part, including detecting the old's behavior(like falling down) and their emotion, using Python and Tensorflow. And it will tell whether the old have a cold by listening to their voice using Neural Network. It can measure the old's heart rate just by watching their face using image processing. Then the data will be modeled with the data of their blood pressure and weights to give the old advice.

JPEG ROI encryption *May 2018 - Dec 2018*

Guangzhou

- Help do JPEG ROI bitstream encryption research with Professor He Junhui at SCUT.
- The research contains reversible JPEG bitstream encryption combining with region of interests detection using CV. It can recover the bitstream while encrypt the regions you want to maintain security.

SKILLS, CERTIFICATIONS & OTHERS

- **Skills:** Python, C++, Matlab, Latex, Image processing, Tensorflow, Background in engineering, Team interaction
- **Languages:** English, Chinese (Native)
- **Interests:** Everything about images, coding, piano, football, soccer, tennis