

KAIWEN LIU

Address: 1633 Gentle Brook Trl, Tucson 85704
Phone: (520) 486-9918
Email: kaiwenliu@email.arizona.edu

EDUCATION

Bachelor of Mechanical Engineering, U of Shanghai for Science & Technology 2016 - 2020

GPA: 3.39/4.0 GRE V:159 Q:168

Relevant coursework completed: Linear Algebra, Mathematics, Theory of Probability (all A).

PROGRAMMING SKILLS

Computer Languages: R, Golang, HTML

Software Tools: RStudio, Visual Studio Code, MySQL

WORK AND RESEARCH EXPERIENCE

Undergraduate Innovation and Entrepreneurship Projects

University of Shanghai for Science and Technology Apr. 2019

- Designed a multifunctional portable cooling device, modeled the whole device in 3D, calculated relevant parameters, built the real model.

Adjusting and testing visual equipment

Changzhou NuoCheng Automation Technology Co., Ltd. Jul.-Aug. 2020

- Analyzed images using VisionPro (a visual programming software for industrial vision analysis) to solve problems like identifying defective machinery parts.

Working as a backend engineer

Changzhou Pulse Health Technology Co., Ltd. Sep. 2020 - May 2021

- Participated in the development of a mobile application, which provides medical suggestions to users based on their health conditions.
- Defined APIs with frontend engineer and used Golang to realize the APIs, which deals with data stored in MySQL database.
- Optimized the way of data storage and accelerating data extraction by using redis (an in-memory database).

AWARDS AND HONORS

Second Prize Scholarship

University of Shanghai for Science and Technology Oct. 2018

Third Awards in Hella Cup

University of Shanghai for Science and Technology & Hella company Dec. 2018

- Project 1: designed a car seat with function of anti-shake and rotation.
- Project 2: created a concept of an auto-detecting system in automobile.