

HAIXU SONG

NEW GRAD, WEB DEVELOPER

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Profile

Interested in Computer Science and learns new techniques fast. Like building apps for practice daily use. Currently looking for a software developer internship.

Skills

Web Develop

Enjoy developing web app for daily use. Can do both front-end and back-end.

CUDA Programming

Designing GPU algorithm or changing sequential code into parallel one.

Machine Learning

Solve classification and regression problems using Sklearn or Keras.

Technical

HTML CSS Javascript React Nodejs Expressjs Redux

Python Sklearn Keras Numpy Matplotlib

Linux Ubuntu AWS Nginx

CUDA_C C C++ Java

Experience

Stehouse

2020.9-Now

A Web App for SIT International Students

Developed a React web app to make it more convenient for international students renting their house/room to each other. Did all frontend and backend work. You can see it on www.stehouse.info or [GitHub](#).

React, Express, MongoDB, AWS, Nginx, Google Map

Current Work: Optimizing UI, Fixing Bugs, Advertising, Maintenance and Developing BackStage

Plane Sweep Algorithm

2020.11-Now

Generate Depth Map / Point Cloud Using 2 Pictures

Write a CUDA version plane sweep algorithm and analyze the performance. Analyze if this could be used in real-life.

Dog Cat Classification

2020.11-Now

Distinguish Dogs from Cats Using Deep Learning

Using popular models like VGG, Autoencoder, ResNet etc to classify cats and dogs. Tune hyperparameters and analyze the result.

Course Grader

2020.1-2020.6

Grader for Course "Applied Modeling & Optimization"

Grade homeworks and tests for 45 students. Help them with everyday problem related to the course.

Education

Stevens Institute of Technology

Major in Applied Artificial Intelligence — **3.9 GPA**

Harbin Institute of Technology

Major in Power Science and Technology — **3.0 GPA**