Weili Liu

Computer Science

Computer Science student pursuing a B.S. degree with a focus on data science and artificial intelligence, also have experience dealing with low-level system programming and memory devices.



Experience

2018-08 -2018-11 **Teaching Assistant for ECE391: System Programming**

University of Illinois, Urbana-Champaign

Responsibilities:

- Help with grading coursework
- Answering student's course-related questions in office hours



Education

2016-08 present

University of Illinois, Urbana-Champaign

Major: Computer Science3.89 GPA





Projects

Operating System

Created a Linux Operating System with basic functionality that includes drivers for keyboard, RTC and support for multiple terminals. Essential features like system calls and interrupts are also implemented in the system and allows simple programs to be run on it.

Optimization for deep neural network image classifiers

This project is focused on increasing the speed of a deep neural network classifier implemented on MXNet. By using the features of the latest Nvidia GPU and methods of parallel programming such as shared memory convolution and reducing the forward propagation process to a simple matrix multiplication, the run time of the program improved dramatically.

Resume Generator

This is a group project that builds a website that can generate a resume in pdf format directly from a person's Linkedin account. Developed both front-end and back-end of the website.



Honors

James Scholar

Engineering Dean's List



Relevant Courses Taken

CS498AML Applied Machine Learning

CS440 Artificial Intelligence

CS543 Computer Vision

ECE391 System Programming

CS225 Data Structures



Personal Info

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Phone

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E-mail

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Date of birth

1996-10-09

GitHub

https://github.com/WeiliLiu



Skills

Low level system programming with x86 assembly and C

Object-oriented programming with C/C++/Java

Machine Learning

Computer vision and deep neural network

Html

CSS

Python