Rui Pan

http://ruipeterpan.github.io

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EDUCATION

UW-MADISON
Honors BS in Computer Sciences + Applied Math
Madison, WI
Sep 2018 - Dec 2021 (Expected)
GPA: 3.96 / 4.00

LINKS

Github:// **ruipeterpan**
LinkedIn:// **Rui (Peter) Pan**
Facebook:// **Rui (Peter) Pan**

COURSEWORK

UNDERGRADUATE
Algorithms
Artificial Intelligence
Computer Architecture
Computing Theory
Database Systems
Data Analysis
Information Security
Operating Systems
Theory of Computing
User Interfaces
Calculus
Discrete Math
Numerical Linear Algebra
Probability

COURSERA
Deep Learning (I/P)
Distributed Machine Learning
Software Engineering
Front-end Web Design
Back-end Web Applications
Cryptography

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Python • C • C# • HTML/CSS
Over 1000 lines:
R • Javascript • Docker • PostgreSQL
Familiar:
PyTorch • Apache Spark • Apache Hadoop

ACADEMIC FOCUS

I am interested in everything system-ish. I am focusing on distributed machine learning for now.

RESEARCH

UW-MADISON COMPUTER SCIENCES DEPARTMENT |
Undergraduate Research Assistant
May 2020 – Present | Advisor: Prof. Shivaram Venkataraman

WISCONSIN INSTITUTE FOR DISCOVERY | Undergraduate Research Assistant
Jan 2020 – Present | Advisor: Dr. Steven Wangen

Worked on the Dairy Brain project, an analytics platform that aggregates large quantities of data that are used to evaluate and predict the performance of dairy cows.

Implemented a data ingestion system that takes data files transferred from the farm, homogenizes the data, and makes them available for analysis in a series of PostgreSQL marts.

EXPERIENCE

UNDERGRADUATE LEARNING CENTER | Tutor in Computer Sciences and Math
Sep 2019 – May 2020 | Madison, WI

Offered drop-in and by-appointment tutoring sessions for core undergraduate computer sciences and math courses to individual or small groups of engineering students to improve academic performance.

COURSERA | Subtitle Translator
May 2019 – May 2020 | Remote

Helped translate English subtitles to Simplified Chinese subtitles in multiple popular computer sciences courses.

HSASJTU | Student Instructor
Sep 2017 – May 2018 | Shanghai, China

Designed an introductory computer sciences course about programming basics.

Gave lectures on AP Computer Science A and Intro to Data Analysis to 10+ students.

AWARDS

2019	Accomplishment	Translating 15,000 words
2019	Certificate	Campus Security Authority
2018	1st Prize	2nd National HS Scholarly Projects Contest
2017	National 3rd	2015-16 FTC Robotics Competition

Last updated: Jun 2020