

Rui (Peter) Pan

<http://ruipeterpan.github.io>

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EDUCATION

UW-MADISON

HONORS BS IN COMPUTER

SCIENCES + APPLIED MATH

Expected May 2021 | Madison, WI

GPA: 3.94 / 4.00

Dean's List (All Semesters)

HIGH SCHOOL AFFILIATED TO SHANGHAI JIAO TONG UNIVERSITY

Grad. Jun 2018 | Shanghai, China

GPA: 3.8 / 4.0

Excellent Graduate

Programmer Leader in FTC club

DM in varsity soccer team

LINKS

Github:// [ruipeterpan](#)

LinkedIn:// [Rui \(Peter\) Pan](#)

Facebook:// [Rui \(Peter\) Pan](#)

COURSEWORK

UNDERGRADUATE

Algorithms

Data Structures

Data Analysis

Computing

Operating Systems

Linear Algebra

Probability

Discrete Math

Calculus

COURSERA

Software Engineering

Deep Learning

Front-end Web Design

Back-end Web Applications

Cryptography

SKILLS

PROGRAMMING

Over 5000 lines:

Java • Python • C# • C • HTML/CSS

Over 1000 lines:

R • CSS • Javascript • Unix

Familiar:

MySQL • PHP • Angular • NodeJS

EXPERIENCE

UNDERGRADUATE LEARNING CENTER | TUTOR IN COMPUTER SCIENCES AND MATH

Sep 2019 – Present | Madison, WI

Offered drop-in and by-appointment tutoring sessions for introductory and intermediate (below 500) computer science and math courses to individual or small groups of engineering students to improve academic performance.

COURSERA | VOLUNTARY SUBTITLE TRANSLATOR

May 2019 – Present | Remote

A member of the Coursera Global Translator Community.

Help translate English subtitles to Simplified Chinese subtitles in multiple courses.

HSASJTU | STUDENT INSTRUCTOR

Sep 2017 – May 2018 | Shanghai, China

Designed introductory computer sciences course about programming basics.

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

LIZ'S MARKET | STUDENT SUPERVISOR

Nov 2018 – May 2019 | Madison, WI

Supported other student employees and provided training and supervision.

Demonstrated leadership and acted as a role model while working with a diverse population of student employees.

RESEARCH

WISCONSIN INSTITUTE FOR DISCOVERY | RESEARCH ASSISTANT

Jan 2020 – Present | Madison, WI

Designed a warehouse-scale computing infrastructure to support collection, storage, and distribution of data.

Virtualized project's running environment by setting up Docker configuration to improve the scalability of the application.

Constructed an API package which could ingest over 300 GB data files from existing ingestion scripts using functional programming paradigm and SQL-Alchemist library for database validation to ease the build of Airflow Task Operators.

AWARDS

2019	Accomplishment	Translating 15,000 words
2019	Certificate	Deep Learning on Coursera
2019	Certificate	Campus Security Authority
2018	Accomplishment	AP Scholar with Honor
2018	1 st Prize	2nd National HS Data Mining Contest
2018	1 st Prize	2nd National HS Scholarly Projects Contest
2017	National 3 rd	2015-16 FTC Robotics Competition
2017	Award	Rockwell Collins Innovate Award in FTC
2017	Award	Winning Alliance Award
2017	Accomplishment	Honored Volunteer