Jonathan Wang

Seeking software engineering internship for Summer 2024

EXPERIENCES

CS 411: Database Systems
Course Assistant

Champaign, IL
August 2023 - Present

- Facilitate over 300 students during in-class discussion activities.
- Grading homework/exams, answering questions on online course forums.

ATLAS
Web Developer Intern

Champaign, IL
August 2022 - January 2023

- Redesign spotlight page for ATLAS website using CSS and WordPress.
- Develop new functionalities and update content for faculty websites through JavaScript, HTML, and WordPress.

Illinois Geometry Lab
Undergraduate Researcher

Champaign, IL
January 2022 - June 2022

- Analyze research papers to gain insights of Quantum Information Theory.
- Express the capacity of selected quantum channels in finite dimensions as a solution of an optimization problem.
- Solve quantum capacity bounds through semidefinite programming and python.

LEADERSHIP & ACTIVITIES

HackIllinois 2023 (Hackathon)
Experience Team Officer

Urbana, IL
August 2022 - July 2023

- Organize and finalize the 10+ workshops & tracks for the hackathon as a team.
- Plan out the overall logistics of the event with 500+ attendees.

Orientation Leader Program
Orientation Leader

Champaign, IL
January 2022 - January 2023

- Design, implement, and assist orientation programs and welcoming week events for over 8000 new incoming students.
- Training through LEAD 140: Harnessing Your Interpersonal Intelligence.

PROJECTS

Personal Website (https://jonathanwangyc.github.io/personal-react-website/)
- A responsive personal portfolio website deployed using React.

Airbnb Review Website (React, Node, Express, MongoDB)
- A full-stack project with an interface that displays a list of Airbnbs.
- Implement query, login functionalities to allow search and change reviews.

Neural Style Transfer (Python, Tensorflow)
- Create and train a neural network that is able to blend the style of an input image to the content image to accomplish style transfer.

Discord Bot (Python, MongoDB)
- An interactive discord bot that implements a mathematical game trained with reinforcement learning and records the results.

Others: Object Recognition using CIFAR-10, Spam Detector, Flappy Bird (C++)

CONTACT

- jonathanwang.jb@gmail.com
- linkedin.com/in/you-chun-wang
- github.com/jonathanwangyc

EDUCATION

University of Illinois at Urbana-Champaign
BS in Computer Science & Mathematics (Expected May 2024)
Minors in Statistics
GPA: 3.99/4.00

AWARDS

- LAS Honors Program
- Dean's List (2020, 2021, 2022, 2023)

CERTIFICATIONS

- AWS Certified Cloud Practitioner Certification (2022)
- Illinois Leadership Certificate

COURSEWORK

- Data Structures & Algorithms
- Data Mining, Database Systems
- Machine Learning
- System Programming
- Computer Architecture
- Software Design Studio

SKILLS

Proficient:
- Java, Python
- C/C++
- JavaScript, HTML, CSS
- React, NodeJS
- MySQL, MongoDB, Neo4j
- Machine Learning (TensorFlow, Scikit-Learn, PyTorch)
- Unix/Linux
- Git/GitHub
- Statistics and Probability
- Mathematics and Data Analysis

Familiar:
- Flutter, Dart
- TypeScript
- Angular
- R, Matlab

OTHER INVOLVEMENTS

- Member/Mentor of ACM (CS student organization)
- Committee member of M.A.T.R.I.X. (Math student organization)
- Participant of Global Leaders: Orange and Blue Engagement