ZEAN (WYATT) HUANG

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EDUCATION

University of Illinois at Urbana-Champaign August 2021 - May 2025
Bachelor of Science in Pre-Engineering (Computer Science) Cumulative GPA: 3.94/4.00

- **Relevant coursework**: Intro to Computer Science I (**Java**), Intro to Computer Science II (**C++),** Linear Algebra with Computational Application (**Python**), Calculus I, II, III, Discrete Structures
- **Coursera** – Machine Learning, Neural Networks and Deep Learning
- Committee Member of Association for Computing Machinery (ACM), Special Interest Group for Artificial Intelligence and Data Analytics (SIG AIDA)

WORK EXPERIENCE

Incoming Cloud Computing Intern (Summer 2022) Pittsburgh, PA
Biorobotics Lab at Carnegie Mellon University

Web Development Intern Urbana, IL
ATLAS Internship Program Jan 2022 – May 2022

- Researched the pros and cons of different CMS (Content Management System)
- Built a website from scratch using WordPress with customized searching and filtering functionality
- Scraped data from websites by writing python code using BeautifulSoup and pandas
- Used Balsamiq to create mockups for the website

Innovation Engineer Urbana, IL
Gies Disruption Lab at UIUC January 2022-Present

- Worked under Agile project management approach
- Created pageification of each NFT to display its data, like owner, price, contract address, etc. using React
- Retrieved NFT data from proof of authority (PoA) blockchain using web3.js library
- Used IPFS as the decentralized storage for NFT information, such as images, tags, names, etc.

PROJECTS

Multi-channel Blackjack Game Jan 2022 – May 2022
Warp, Socket.io, Rust

- Used warp framework to build a REST API to serve game states
- Implemented live game functionality using socket.io library

Image Scraper/Downloader March 2020-Dec 2021
PERN Stack, Cheerio, Puppeteer, JavaScript, JSX, HTML, CSS

- Used React, HTML, CSS, and related third-party libraries to build the
- Implemented functionalities to automatically navigate websites and scrape data using Puppeteer and Cheerio
- Built the backend using Express to connect with the PostgreSQL database and serve a REST API
- Containerized the application using Docker and hosted it on a Digital Ocean droplet

FRC Robot Program Dec 2015-March 2021
Java, Python

- Abstracted each part of the robot as a subsystem and used an object-oriented program paradigm for better control
- Implemented PID control algorithm to improve the accuracy of robot operation
- Used "command-based" programming framework to deal with asynchronous tasks of different

SKILLS

Programming Languages
C++, Java, Rust, Python, SQL, JavaScript, Solidity, MATLAB

Tools and Frameworks
React, Express, NodeJS, PostgreSQL, Docker, Git, Selenium, Vim, basic Linux commands, NumPy, Warp