

# ZEAN (WYATT) HUANG

zeanh2@illinois.edu | wyhuang.com | (217) 200-0999  
linkedin.com/in/wyatt-huang/

---

EDUCATION	<b>University of Illinois at Urbana-Champaign</b> <i>Bachelor of Science in Mathematics</i> <ul style="list-style-type: none"><li>• <b>Relevant coursework:</b> Intro to Computer Science I (<b>Java</b>), Intro to Computer Science II (<b>C++</b>), Linear Algebra with Computational Application (<b>Python</b>), Calculus I, II, III, Discrete Structures</li><li>• <b>Coursera</b> – Machine Learning, Neural Networks and Deep Learning</li><li>• Committee Member of Association for Computing Machinery (ACM), Special Interest Group for Artificial Intelligence and Data Analytics (SIG AIDA)</li></ul>	August 2021 - May 2025 Cumulative GPA: 3.94/4.00
WORK EXPERIENCE	<b>Web Development Intern</b> <i>ATLAS Internship Program</i> <ul style="list-style-type: none"><li>• Researched the pros and cons of different CMS (Content Management System)</li><li>• Built a website from scratch using WordPress to showcase varied VR (Virtual Reality) software's information and reviews, which incorporated customized searching and filtering functionality</li><li>• Scraped data from websites by writing python code using BeautifulSoup and pandas</li><li>• Used Balsamiq to create mockups for the website</li></ul> <b>Innovation Engineer</b> <i>Gies Disruption Lab</i> <ul style="list-style-type: none"><li>• Worked under Agile project management approach</li><li>• Created pageification of each NFT to display its data, like owner, price, contract address, etc. using React</li><li>• Retrieved NFT data from proof of authority (PoA) blockchain using web3.js library</li><li>• Used IPFS as the decentralized storage for NFT information, such as images, tags, names, etc.</li></ul>	Urbana, IL Jan 2022 – May 2022  Urbana, IL January 2022-Present
PROJECTS	<b>Multi-channel Blackjack Game</b> <i>Warp, Socket.io, Rust</i> <ul style="list-style-type: none"><li>• Used warp framework to build a REST API to serve game states</li><li>• Implemented live game functionality using socket.io library</li></ul> <b>Image Scraper/Downloader</b> <i>PERN Stack, Cheerio, Puppeteer, JavaScript, JSX, HTML, CSS</i> <ul style="list-style-type: none"><li>• Used React, HTML, CSS, and related third-party libraries to build the frontend of the website</li><li>• Implemented functionalities to automatically navigate websites and scrape data using Puppeteer and Cheerio</li><li>• Built the backend using Express to connect with the PostgreSQL database and serve a REST API</li><li>• Implemented login functionality using JWT (JSON Web Tokens) to authenticate users</li></ul> <b>FRC Robot Program</b> <i>Java, Python</i> <ul style="list-style-type: none"><li>• Abstracted each part of the robot as a subsystem and used an object-oriented program paradigm for better control</li><li>• Implemented PID control algorithm to improve the accuracy of robot operation</li><li>• Used “command-based” programming framework developed by WPI (Worcester Polytechnic Institute) to deal with asynchronous tasks of different subsystems of robots</li></ul>	Jan 2022 – May 2022  March 2020-Dec 2021  Dec 2015-March 2021
SKILLS	<b>Programming Languages</b> C++, Java, Rust, Python, SQL, JavaScript, Solidity, MATLAB  <b>Tools and Frameworks</b> React, Express, NodeJS, PostgreSQL, Git, Selenium, Vim, basic Linux commands, NumPy, Makefile, Warp	