

Michael Huang

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EDUCATION

University of Illinois Urbana Champaign – Bachelor of Science, Statistics

Aug 2020 – May 2024

EXPERIENCE

Blue Modern Advisory

Jun 2023 – Aug 2023

Software Engineer Intern

Remote

- Engineered web scrapers using Python, BeautifulSoup, and Selenium to collect job postings in conjunction with ETL
- Constructed a recommendation service using LLMs with LangChain, created components in React to accept user uploads
- Established automated unit tests with pytest and GitHub actions and implemented CI/CD pipelines

Favors

Jun 2022 – Aug 2022

Software Engineer Intern

Remote

- Architected React Native components for the Favors android app, iteratively refining based on user feedback
- Orchestrated RESTful API endpoints using Node.js and Express, handling user matching
- Integrated Google Maps API for location services, enabling users to set and view favor locations within a specified radius

Advanced Computer and Communication Tech

Jun 2021 – Aug 2021

Software Engineer Intern

Remote

- Partnered with engineers to design and implement a dashboard for visualizing network TCP/UDP signal traffic
- Crafted interactive dashboard components with React, Tailwind CSS, and Node.js following responsive design principles
- Implemented RESTful APIs to integrate the dashboard with existing monitoring systems, utilizing git and Docker

DuPage County, Election Divison

Oct 2024 - Apr 2025

Warehouse Laborer

Aurora, IL

- Conducted testing and maintenance on 600+ Verity HART election machines, assembled supplies for 250+ polling sites
- Served as an on-call technical election judge providing IT support during the 2024 and 2025 elections
- Facilitated the ballot collection process and executed various duties related to elections administration

IT@UIUC

Sep 2022 - May 2024

Technical Member

Champaign, IL

- Built, tested, and troubleshooted desktop computers, laptops, operating systems, and software in collaborative teams
- Promoted computer security through education about internet habits and recognizing social engineering techniques
- Configured online accounts and systems for local residents and students, creating knowledge-sharing platforms

PROJECTS

Mobile App Social Media

- Prototyped an original mobile app fostering casual conversation with strangers in public spaces
- Structured a React Native based MVP mobile android application leveraging geolocation services for interactions

Fullstack Video Web Application

- Built a platform enabling users to upload and watch videos, comment, like, view thumbnails, track views, and search
- Deployed using Docker, React, Next.js, Google Cloud, Firebase and Firestore

Multi-Layer Network Simulator

- Programmed web-based OSI model simulator using React that visualizes data encapsulation/decapsulation across all seven network layers
- Generated real-time protocol header visualization for multiple networking protocols (HTTP, TCP/IP, Ethernet)
- Optimized performance using React hooks, CSS transitions, and SVG graphics to create a responsive web application

SKILLS

Languages: C++, Python, Java, HTML/CSS, Typescript

Technologies: React, React Native, Node.js, Express, MongoDB, AWS, GitHub, Tailwind CSS, Selenium, Beautiful Soup, CI/CD, RESTful APIs, git

Interests: Basketball (Coach, Naperville), Running, Mathematics, Philosophy, History, Geography, Anthropology, Consumer Electronics