Robert Hand

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EDUCATION

University of Illinois at Urbana Champaign   Expected May 2027
Bachelor of Computer Science
Cumulative GPA: 3.89/4.0
Relevant Coursework: Applied Machine Learning, Data Structures and Algorithms**,** Statistics and Probability, Numerical Methods, Linear Algebra, Software Design Lab, Computer Architecture

EXPERIENCE

POWERBOX TECHNOLOGIES   Urbana, IL
Software Engineer   September 2024 – Present
- Modeled predicted power use in Latin America using an additive regression model
- Trained machine learning models on 200,000+ time series data points using Google Cloud Platform and Prophet API
- Developed a cloud scheduler to regularly refresh client data using VertexAI

DISRUPTION LAB AT GIES   Urbana, IL
Software Engineer   January 2024 – Present
- Built full stack web applications for large clients in the Champaign Urbana area
- Developed backend APIs using Google Cloud Platform and PostgreSQL for high volume user data
- Created frontend displays using React.js framework and Tailwind CSS

ENTRECORPS CONSULTING GROUP   Urbana, IL
Director of Training and Development   January 2024 – Present
- Led teams of technical consultants to create 35+ presentations, data visualizations, and deliverables
- Scoped semester long projects for 3 early-stage startups, building each a 6-month development plan
- Trained 100+ consultants on UI/UX analysis, slide design, data scraping, and client relations

SIEBEL SCHOOL OF COMPUTING: CS128 Intro to Computer Science II   Urbana, IL
Teaching Assistant   April 2024 – Present
- Assisted Prof. Nowak in developing course content, preparing students for advanced data structures and algorithms
- Hosted weekly office hours to help over 800+ enrolled students on 95+ weekly lesson topics
- Lead multiple discussion sections per semester in lesson activities and guided students through readings

PROJECTS

QuickThoughts   September 2024
- Built a social site with real-time messaging using MERN stack with a team of 4
- Managed 100+ live messages and login data using MongoDB Atlas
- Linked data from React frontend to backend database with Node.js
- Routed HTTP requests to Node.js backend with ExpressJS API

TrendifyStocks   October 2023
- Designed an educational website with HTML, CSS, and Javascript with 10+ verbose courses
- Created and maintained a SQL database to store secure user data
- Routed web platform with Flask API enabling 50+ interactive features

Technical Skills

Languages: C, C++, JavaScript/TypeScript, Python, Kotlin, Java, HTML, CSS, PostgreSQL, Verilog
Tools: Google Cloud Platform, Git, Docker, Machine Learning, Cloud Computing, AWS, Full Stack Development
Frameworks / Libraries: Node.js, React, Numpy, Pandas, Matplotlib, Scikit Learn, SQL, MongoDB, Beautiful Soup, ExpressJS, Node.js, RESTful API