

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: Data Structures and Algorithms, Statistics and Probability, Numerical Methods, Linear Algebra, Software Design Lab, Applied Machine Learning, 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
- Built websites with React and managed databases with MongoDB

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 regular office hours to help over 800+ enrolled students on 95+ weekly lesson topics

UNIVERSITY OF ILLINOIS HOUSING

Urbana, IL

Resident Advisor

January 2024 – Present

- Fostered intrapersonal development among 65+ diverse, undergraduate residents
- Promoted diversity, equity, and inclusion through 80+ multicultural housing events
- Filed 250+ administrative requests including, maintenance, financial, incident reports, and room transfers

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

Tools: Google Cloud Platform, VertexAI, Git, Docker, Machine Learning

Frameworks / Libraries: Node.js, React, Numpy, Pandas, Matplotlib, Scikit Learn, SQL, MongoDB, Beautiful Soup, ExpressJS, Node.js