

# Christopher Stucke

## BACKEND SOFTWARE ENGINEER

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**Skills:** JavaScript, Python, Flask, SQLAlchemy, Express, SQL, AWS, HTML, CSS, React, Redux, Next.js, Git, Typescript

### EXPERIENCE

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#### SCALE AI >> Remote > Project-based Freelancer

February 2024 – Present

- Created algorithm, system design, and javascript prompts based on scenarios from large language models.
- Implemented RLHF (Human Feedback Loop in Reinforcement Learning) to assess and enhance the quality, readability, and comprehensiveness of code responses generated by a Large Language Model (LLM), resulting in improved model performance and accuracy.
- Developed meticulously reasoned JavaScript code to illustrate how to effectively guide and elicit responses from the language model through prompts.

#### DISCOUNT LOTS >> Chicago, IL > Acquisitions Manager

May 2020 – January 2022

- Refined real estate sale outreach CRM records to maximize seller contact and decrease delays in title transfer.
- Coordinated title clearance with outside insurers and verified subsequent commitment conditions to ensure viability of prospective inventory.
- Studied prospective bulk purchases for encumbrances to the title and composed overall risk assessments to gauge potential gain or loss in resale value.

#### DYNAMISM > Chicago, IL

Marketing Manager

August 2017 – April 2019

3D Printing Technician

July 2016 – August 2017

- Utilized a Salesforce environment to initiate checklist and logistics procedures for conference demonstration environments and contact collection to maximize display uptime potential customer leads.
- Managed inventory and shipment information using NetSuite to maintain a living list of current resources.
- Partnered with outside organizations to construct both graphic and 3D modeling collaborations to increase marketing visibility and association to the retailer's largest customer groups.

### PROJECTS

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#### SPOOKY - ECOMMERCE >> Flask, SQLAlchemy, React, Redux, Amazon Web Services

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- Enabled users to upload local image files via an Amazon Web Services S3 bucket to generate their respective image addresses to be stored in the SQL database.
- Implemented user interface to manage shops and products utilizing Redux state management to present the user their data clearly and foster interaction through an easy-to-use interface.

#### BISCORD - SOCIAL MEDIA, MESSAGING >> Flask, SQLAlchemy, React, Redux, AWS, Socket.io

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- Collaborated with a team of engineers coordinating through Git branches to develop backend routes and frontend components to emulate a messaging application's capabilities to communicate among users.
- Established user profile setup to conditionally employ cloud storage of the user's local files or generation of a logo in cascading style sheets to allow further customization for users.
- Remounted chat component elements with data received and sent from the server using a WebSocket broadcast to display new messages to the user in real time.

#### MEETUP EMULATION - SOCIAL MEDIA >> Express, Sequelize, React, Redux

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- Established features for groups and subsequent events created for those groups using database table relationships and frontend components allow users to create, read, update, and destroy their data with permissions over certain database records only.
- Designed a layout using hypertext, markups, and cascading style sheets to adhere as exactly as possible to wireframes to craft a unified presentation of the interface.

### EDUCATION

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APP ACADEMY >> Certification in Full Stack Software Engineering

UNIVERSITY OF CINCINNATI >> Bachelor of Science in Industrial Design >> Cincinnati, OH