

SKILLS

Languages: Python, TypeScript/JavaScript, Java, C/C++, SQL, HTML/CSS, Shell, Kotlin, R, Haskell
Technologies & Frameworks: React, Django, Flask, PostgreSQL, AWS Ecosystem, Docker, MongoDB, GCP
Disciplines: Backend Systems Design, Web Development, Product Engineering, Predictive Modeling

WORK EXPERIENCE

Software Engineer, Delivery Management Team

Boston, MA

Jellyfish

Jul 2021 - Present

- Created backend support for setting user favorites in-app, increasing overall engagement by over 50%.
- Invented new methods to measure and visualize deliverable attention scores (% time spent on Project X over Y weeks), including interactive charts and email alerts to indicate significant attention changes.
- Co-led the creation of the Scenario Planner, a dynamic tool enabling engineering managers to forecast deliverable timelines based on developer attention and scope estimations, streamlining planning procedures for our customers.
- Played a key role in designing and enhancing our search interface, leading to an improved search UX and better overall platform efficiency.

Software Engineering Intern

Boston, MA

Jellyfish

Jun 2020 - Jul 2021

- First intern at a Boston-based startup creating a strategic alignment-focused engineering management platform. I consistently exceeded expectations, contributing significantly to the company's growth from a Series A to a Series C startup within 18 months. Earned a full-time offer the following summer based on my exceptional performance.
- Drove a variety of projects encompassing infrastructure (AWS), frontend development (TypeScript/React), backend optimizations (Django/Python), and data refresh pipelines (Celery/Dask/Prefect).
- Spearheaded research and product initiatives to enable the ingestion, analysis, and visualization of programming language utilization by development teams. Created relational models for Git pull request file metadata and an API for language breakdowns, enhancing code composition awareness and role clarity within teams.

Data Science Intern

Cambridge, MA

Sense

Jun 2018 - Aug 2018

- Completed my first technical internship writing statistical models to analyze home energy consumption data.
- Created and trained predictive models using machine learning to show how Network Device Interfaces affect idle load consumption in American households.

EDUCATION

University of Illinois at Urbana-Champaign

Champaign, IL

Bachelor of Science in Statistics & Computer Science

GPA: 3.60

LEADERSHIP EXPERIENCE

Co-Founder

Champaign, IL

Illinois Labs

Jan 2021 - May 2022

- Co-created an organization dedicated to providing open-source academic and productivity software for students.
- Conducted technical interviews, held weekly developer meetings, and built web apps in service of the UIUC student body, including a search platform for student organizations and study spots.

Research & Development Team Lead

Champaign, IL

Founders: Illinois Entrepreneurs

Aug 2019 - Dec 2021

- Served on the executive board of a 501(c)(3) organization serving the UIUC entrepreneurship community.
- Orchestrated workshops in web development best practices, technical interview tips, and how to work well in collaborative engineering teams.
- Created the UIUC Startup Directory and *Entrepreneurship @ UIUC* discord community (with over 300+ members), all while growing the organization's membership by over 50%.

Head Course Assistant

Champaign, IL

CS 125: Introduction to Computer Science

Jun 2020 - Dec 2020

- Developed quick Java execution toolkits and web infrastructure for React-based chat components.
- Managed 100+ course staff, and oversaw the online education of nearly 1000+ undergraduate CS students.