

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

Boston, MA

Jellyfish

Jul 2021 - Present

- Created backend support for setting user favorites in-app, increasing overall product engagement by over 50%.
- Co-led the creation of 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.
- Designed and implemented attribute-based access control to meet upmarket customer data privacy needs.
- Re-designed and enhanced our in-app search interface, leading to an improved search UX and better overall platform efficiency. This effort started as a personal passion project and completely replaced our old search within a year.
- Invented new ways 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.

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. Consistently exceeded expectations, contributing significantly to the company's growth from a Series A to a Series C startup within 18 months.
- Drove a variety of projects encompassing frontend development (TypeScript/React), backend optimizations (Django/Python), infrastructure (AWS), 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 students with open-source academic and productivity software.
- 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.
- Led work to create the UIUC Startup Directory 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 & Kotlin 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.