

# Seth Bernstein


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## Professional Experience


- 2023/06 – 2023/08


**UI/UX Designer Intern**  
*Coded By Kids - Draft Studios*
  - Led user research and identified 5 major pain points for new product design.
  - Designed wireframes and prototypes to refine the user experience for the new interface.
  - Conducted usability tests with over 50 users and implemented actionable feedback to enhance design quality.
  - Collaborated with a cross-functional team of 20+
- 2022/03 – present

**Temple University HCI Lab Research Lead (5+ Publications)** 
  - Stayed abreast of emerging technologies and continuously updated on relevant publications.
  - Analyzed and distilled insights from various computer science research papers, and mentored new researchers in critical reading techniques.
  - Organized and facilitated community events, engaging over 20 researchers within the lab.

## Projects

- 2023

**Recipe Finder Application** 
  - Built a Vue.js application for recipe searches using the Edamam Recipe API.
  - Designed an interactive UI with expandable recipe details and error feedback.
  - Used Express.js for backend server setup and routing
  - Managed HTTP requests with Axios and ensured CORS compatibility during development.
- 2023

**Big-O Code Optimizer** 
  - Designed and developed a Flask-based optimizer for code optimization based on user-defined time complexity.
  - Integrated OpenAI GPT-4 API for code refinement.
  - Enhanced the UI using Bootstrap 4, incorporating syntax highlighting and responsive feedback.

## Education

- 2021/08 – present

**Computer Science**  
*Temple University (Honors Program), College of Science & Technology, Philadelphia, PA*  
*Minor: Digital Media Technologies*

## Technical Skills

- Programming Languages**  
Java, C, Python, JavaScript, R

**Frontend**  
Vue.js, React, HTML, CSS,
- Backend**  
Express.js, Flask, MySQL, PostgreSQL

**Design & Prototyping**  
Figma, Photoshop

## Relevant Coursework

- Introduction to Problem Solving and Programming in Python**  
2021

**Program Design and Abstraction**  
2022
- Data Structures**  
2022

**Computer Systems and Low-Level Programming**  
2023
- Mathematical Concepts in Computing**  
2022-2023

**Introduction to Systems Programming and Operating Systems**  
2023

## Leadership

- 2023

**OwlHacks Hackathon Director – Spring & Fall (250+ Participants)**
  - Managed 30+ volunteers; oversaw sponsorships, logistics, and budgets.
  - Achieved 100+ participant growth from spring to fall semester.
- 2023/08 – present

**President, Temple University ACM**  
*Association for Computing Machinery*
  - Organized events for 50+ members, including socials, workshops, and talks.
  - Managed a team of 10+ leaders; oversaw logistics, marketing, and content.