

Audric Serador

📍 Chicago, IL ✉ audricciel@gmail.com [in/audricserador/](https://in.audricserador/) github.com/asador audricserador.xyz

Education

University of Illinois Urbana-Champaign

Expected May 2026

Bachelor of Science in Computer Science

GPA: 3.95/4.00

- **Awards:** Grainger College of Engineering Dean's List (Fall 2023)
- **Relevant Coursework:** Data Structures (C++), Software Design Lab (Flutter), Applied Machine Learning (Python), Database Systems (SQL), Prob & Stat in CS (Python), Linear Algebra w/Computational Applications (Python)

Experience

Full Stack Engineer

May 2024 - Present

iVenture Accelerator

Urbana, IL

- Leading a team of **3** interns in building a full-stack web application utilizing **Next.js**, **React.js**, **Firebase**, and **DaisyUI**
- Engineering **Selenium**-based solutions processing **10,000** industry-specific queries daily optimizing CRM processes
- Facilitating automated marketing solutions for **5+** startup businesses through strategic outreach and pitch decks

Research Software Engineer

Sep 2023 – May 2024

University of Illinois Urbana-Champaign

Urbana, IL

- Collaborated with researchers to develop a **Next.js** web app, deployed to **500+** participants for data collection
- Implemented robust user authentication with **Firebase**, coupled with login/sign up pages styled using **Tailwind**
- Integrated **D3.js** with **React** for interactive data visualizations, enabling researchers to identify important trends
- Guided **4** mentees in research methodologies and full-stack web development, boosting project productivity
- Presented findings at **3** research symposiums, securing professor endorsements and funding for continued studies

Software Engineer Intern

July 2022 – May 2023

VoyagerNetz

St. Charles, IL

- Produced an **NLP** intent recognition system using **NLTK** and **SpaCy**, achieving **70%** keyword matching accuracy
- Reduced codebase redundancy by **30%** using object-oriented refactoring methods and optimized **JSON** queries

Projects

IllinEats - Deployed Web App (approx. 120 hours)

November 2023 - Present

- Launched a **Next.js** web app to **200+** UIUC students personalizing dining hall meal plans, surveying **95%** satisfaction
- Automated **multithreading** processes to scrape over **100,000** nutrition records using **Selenium** on **AWS EC2**
- Integrated **6 RESTful APIs** with a **PostgreSQL** database coupled with **Microsoft Azure** for student authentication
- Fabricated a responsive UI using **React** and **Tailwind**, ensuring cross-platform compatibility on mobile devices

Explore - Team Project (approx. 100 hours)

January 2024 - May 2024

- Led **3** developers in the launch of **Explore**, a **Flutter**-powered mobile app enhancing the tourist/fitness experience
- Constructed the frontend using **Material UI** components, utilizing **UI/UX** design principles made using **Figma**
- Architected a **MongoDB** backend handling over **50,000** daily geospatial queries with **Google Maps API** integration
- Established comprehensive **CI/CD** pipelines, utilizing **flutter-test** for efficient widget testing and deployment

Stratus - Team Project (approx. 50 hours)

February 2024 - March 2024

- Built Stratus, a **Next.js** + **React** application to easily build cloud architectures and deploy **AWS**-powered applications
- Optimized **OpenAI API** prompts to select pre-made **Terraform** cloud templates with **98%** accuracy from user input
- Developed a drag-and-drop cloud diagramming tool with **React Flow**, integrating **Redux** for state management
- Facilitated **AWS ECS**, **ECR**, **Fargate** and **Route53** app deployments from diagram-generated **Terraform** code

Web Recorder - Open Source Tool (approx. 30 hours)

March 2024 - April 2024

- Authored a **4k** video capture web app built using **Angular** and **PrimeNG UI** for high-speed interface performance
- Incorporated **RecordRTC** for capture quality stored using **Firebase RTDB** + **Storage** for user/media management
- Crafted **Express.js** CRUD endpoints for efficient video blob transfers between **RecordRTC** and **Firebase** services

Technical Skills

Languages: Python, TypeScript, JavaScript, HTML/CSS, C++, Dart, Java, Rust, SQL, C#

Frameworks: Next.js, Express.js, Node.js, Angular, React.js, Redux, Tailwind, Flutter, Selenium, Flask, Django, Kivy

Technologies & Tools: Git, Terraform, SpaCy, NumPy, NLTK, Docker, OAuth, Figma

Cloud & Databases: AWS, GCP, Azure, MongoDB, PostgreSQL, MySQL, Supabase, Firebase, Vercel, Netlify