

# Adrian Lara

adrian11@illinois.edu ■ 847-468-5654 ■ adrianlara.org

## Education

### University of Illinois at Urbana-Champaign, Grainger College of Engineering

Bachelor of Science in Computer Science  
President's Award Program Honors Scholar  
Illinois Engineering Premier Scholar  
AIM High Grant Recipient  
Hispanic Scholarship Fund Scholar 2022-2024

August 2022 – May 2026

GPA – 3.86/4.0  
Champaign, Illinois

**Relevant Coursework:** Intro to Algorithms & Models of Computation, Data Structures, Database Systems, Computer Architecture, Systems Programming, Probability and Statistics, Discrete Structures, Linear Algebra

## Work Experiences

### University of Illinois at Urbana-Champaign Computer Science Department

December 2022 – Present

*Course Assistant for CS 128 – Introduction to Computer Science II*

*Champaign, Illinois*

- Crafted practical examples that demystified complex programming principles, contributing to students' mastery of essential software engineering skills.
- Provided timely technical assistance, addressing student inquiries, clarifying doubts, and fostering a conducive environment for learning and problem-solving.
- Collaboratively revamped and modernized course assessments, focusing on integrating contemporary C++ programming methodologies and cutting-edge design patterns.

### STAC Programming

August 2020 – June 2021

*Computer Programming Instructor*

*San Jose, California (Remote)*

- Tailored teaching approaches to accommodate varying skill levels, fostering a supportive and inclusive learning environment.
- Curated learning materials that encouraged hands-on experimentation, enabling students to internalize programming concepts effectively.
- Served as a dedicated resource for resolving doubts, clarifying coding challenges, and cultivating problem-solving skills.

## Projects

### TrendHub

June 2023 – August 2023

*React, Node.js, SQL, Google Cloud*

An application that grants users the ability to view YouTube video trends in the USA, while allowing them to compare their own videos with these trends using their own data.

- Implemented a comprehensive user account system within TrendHub, enhancing user engagement and data personalization.
- Designed and developed the user interface for the TrendHub application, providing users with an intuitive and visually appealing platform.
- Orchestrated the integration of a SQL database hosted on Google Cloud with the TrendHub application's backend and frontend.

### TimeStamp

January 2023 – May 2023

*HTML, JS, Node.js, Google Calendar API*

A Chrome extension that allows user to highlight an event and its information, then seamlessly add it to their Google Calendar.

- Ensured accurate and reliable data extraction by incorporating regular expressions and data validation techniques, resulting in precise event information for Google Calendar integration.
- Orchestrated the seamless communication between the frontend and the background.js component of the TimeStamp Chrome extension.
- Implemented a user-friendly and intuitive event highlighting mechanism, allowing users to seamlessly select and mark relevant dates on web pages.

### Chinese Language and International Development Society (CLAID) Website

August 2022 – Present

*HTML, JS, Node.js, Mongo DB*

- Spearheaded the optimization of the About Us page on the CLAIID website, simplifying the process of inserting and updating images and content.
- Successfully integrated the organization's Instagram feed into the CLAIID website, enhancing community engagement and showcasing real-time visual content.
- Streamlined communication channels for the CLAIID Board by optimizing email processes, ensuring swift and easy access for the public.

## Skills

**Technical Skills:** C++, Java, React, Python, JS, SQL, Mongo DB, Inventor, Google Cloud