

Adrian Lara

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EDUCATION

University of Illinois Urbana-Champaign
Bachelor of Science, Computer Science

August 2022 – May 2026
Urbana, IL

WORK EXPERIENCE

Atlassian

Incoming Software Engineer
Software Engineer Intern

San Fransico, CA & Chicago, IL
July 2026
May 2025 – August 2025

- Optimized service performance by leading a migration from a deprecated internal GraphQL API to the Contentful GraphQL API, reducing package request size.
- Managed the transition of 6 endpoints with zero downtime, ensuring all service functions remained fully operational.

Air Force Research Laboratory

Software Engineer Intern

Dayton, OH
May 2024 – August 2024

- Improved and modularized a full-stack CAD model software using HTML, CSS, Three.js, JavaScript (front-end), and Python with FastAPI (back-end), improving performance by 5x and enhancing user functionality.
- Implemented a scalable, well-documented API architecture with FastAPI, reducing integration time for CAD tool plugins by 50%, streamlining server routing, and enabling seamless cross-platform software distribution within the Department of Defence.
- Redesigned and optimized the user interface for CAD and Radio Frequency tools, reducing load time by 2x, improving responsiveness across all devices, and implementing dynamic real-time error handling.

University of Illinois Urbana-Champaign

Course Assistant

Urbana, IL
December 2022 – Present

- Provided one-on-one technical mentorship to 15+ students, debugging advanced C++ concepts like memory management and data structures.
- Authored practical code examples and technical documentation to demystify complex software engineering principles for 30+ students.
- Facilitate weekly recitation sessions with 30+ students, receiving positive feedback for enhancing their comprehension of C++ programming and promoting problem-solving confidence.

PROJECTS

TimeStamp | HTML, JavaScript, Node.js, Google Calander API

January 2023 – May 2023

- 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.
- Engineered efficient communication protocols between the frontend and background.js component, reducing latency and enabling real-time event addition with 100% success rate.

TECHNICAL SKILLS

Languages | C/C++, Python, JavaScript, GraphQL, Kotlin, Java

Frameworks | React, Next.js, Spring Boot, FastAPI

Libraries | Pandas, NumPy, Matplotlib