

Adrian Clement

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Experience

Fullstack Software Engineering Intern

GitHub • San Francisco, CA, USA

June 2025 — Present

- Designed and built a **Go**-based event-sourced pipeline as the source of truth for **GitHub Enterprise**, **Advanced Security**, and **Copilot** license history—tracking **1M+** events across **70,000+** enterprises, improving data accuracy and resilience
- Directed implementation of **CosmosDB Change Feed** support in **Azure SDK for Go**, collaborating with **Microsoft** engineers at container, logical, and physical partition scopes—adopted by **15+** **GitHub** teams and the open-source software (OSS) community
- Developed **schema-first gRPC/TWIRP** API and **integration architecture** to expose license data from a Go microservice to a **Rails monolith**—standardizing **Go/Ruby** integrations and ensuring efficient, auditable delivery from the **Change Feed-backed pipeline**
- Engineered reusable **React + TypeScript** components and libraries for **license history UIs** (summary/detail), backed by a **TWIRP** API and **server-side pagination**—enabling **real-time visibility into 100% of license count changes** across all enterprises

Fullstack Software Engineering Intern

Sekai • Los Angeles, CA, USA

May 2024 — Aug 2024

- Pioneered **Amplitude + Hotjar** analytics integration from scratch with **Next.js**, **TypeScript**, custom libraries, and hooks—tracking **50K+** user events and boosting real-time data collection **650%** as Sekai's first engineering hire (**a16z-backed startup**)
- Defined **100+** **Key Performance Indicators** and constructed **15+** **interactive dashboards**, enabling real-time monitoring of **2,000+** users—surfacing bottlenecks and driving a **60% increase in user retention**
- Contributed to **Agile practices** (code reviews, daily standups, sprint planning), fostering collaboration and ensuring high code quality in a fast-paced environment

Research Assistant

Pomona College Privacy and Security Lab • Claremont, CA, USA

May 2023 — August 2023

- Scraped **1M+** iOS and Android app store privacy labels with a **Selenium + BeautifulSoup-based web crawler** designed from scratch, enabling large-scale privacy analysis
- Constructed a **Python OOP** pipeline, cleaning **150K+** data points, enhancing data processing efficiency and accuracy by **120%**
- Co-author of "User Understandings of Technical Terms in App Privacy Labels," published in **USENIX SOUPS 2025**

Projects

Signal:

- Engineered a **fullstack word decoding game** with **Next.js + TypeScript**, emphasizing dynamic game logic, user state management, and smooth client-server rendering for an engaging UI
- Integrated **PostgreSQL** for data management via **RESTful APIs**, **OAuth** for authentication—planned with **AWS** for deployment

p-DormLife:

- Constructed a **React-based web platform** centralizing housing logistics, serving **6,000 students** across the 5C colleges
- Implemented roommate-matching algorithms (**K-means clustering + nearest-neighbor**) to optimize compatibility

Personal Website [adrianwclement.github.io]:

- Developed a **React.js** portfolio site, showcasing projects and professional details with a responsive, modern UI

Education

Pomona College, Claremont, CA, USA

May 2026

Computer Science Major • Mathematics & Chemistry Double Minor • GPA: 3.96/4.00

Relevant Coursework: Discrete Math & Functional Programming • Data Structures & Advanced Programming • Data Analysis for Life Sciences • Linear Algebra • Artificial Neural Networks & Deep Learning • Computational Analysis of Big Data • Algorithms • Operating Systems • Computer Architecture • Computability Languages & Theory • Computer Networks

Skills

Programming Languages: Go, Java, TypeScript, Python, Ruby, C, SQL, Bash, Haskell

Frameworks & Libraries: Aqueduct, Hydro, TWIRP, Ruby on Rails, Next.js, React.js, Node.js, Playwright, Testify, Protocol Buffers

DevOps & Cloud Computing Platforms: Azure, Kafka, Git/Version Control, Kubernetes, Terraform, Docker, AWS

Technologies: VS Code, GitHub, GitHub Copilot, Jupyter Notebook, Datadog, Splunk

Awards & Activities

Awards: 3x Pomona Scholar • 4x NCAA All-American Honors • 3x NCAA Academic All-American • 2x Team & Conference Record Holder

Activities: Varsity Swim • P-ai SWE Project Club Member • Pomona Computer Science Department Teaching Assistant • Aquatic Staff