Adrian Clement

adrianwclement@gmail.com • (503)-521-6938 • linkedin.com/in/adrian-clement • github.com/adrianwclement

Education

Pomona College, Claremont, CA, USA   **May 2026**

Computer Science Major • Chemistry Minor • GPA: 3.96/4.00

Relevant Coursework: Discrete Math & Functional Programming • Data Structures & Advanced Programming in Java • Data Analysis for Life Sciences in Python • Linear Algebra • Calculus I, II & III • Introduction to Statistics • Artificial Neural Networks & Deep Learning • Computational Analysis of Big Data • Computer Graphics: 3D Programming Applications • Algorithms

Skills

Programming Languages: Proficient with Java, Python, Haskell, Git, HTML, CSS • Experience with JavaScript, TypeScript, XML, Tailwind, SQL, Bash

Frameworks/Libraries: Proficient with JUnit, BeautifulSoup, Streamlit, Pandas, NumPy • Experience with ReactJS, React Native, NextJS, NodeJS, Jest, Docker, Flask, Selenium

Technologies: Proficient with VS Code, GitHub • Experience with Vercel, PyCharm, Jupyter Notebook, BitBucket

Experience

Software Engineering Intern

Sekai • Los Angeles, CA, USA   **May 2024 – Present**

- Developed vital features such as real-time data analytics and AI optimization tools as the first engineering hire at Sekai, an Andreessen Horowitz & HASHED-backed startup
- Leveraged **TypeScript** to create **ReactJS & React Native** libraries with custom hooks and event handlers to integrate **Amplitude** analytics, improving real-time data collection and analysis
- Implemented **Jest** to design and execute extensive **unit and integration tests**, ensuring robust app reliability and performance
- Established **100+** Key Performance Indicator tracking metrics and constructed **10+** interactive data dashboards to analyze user flows for over **1,000 users**, significantly enhancing data-driven decision-making capabilities
- Performed profiling and optimization of AI prompting engines, using specialized APIs to formulate prompt generation strategies, resulting in **25% more accurate and relevant** AI-generated responses
- Actively contributed to daily standup meetings, strategy sessions, code reviews, and sprint planning, enhancing communication and collaboration skills while adhering to Agile practices
- Investigating backend infrastructure, identifying areas for optimization, and drafting a proposal document with actionable recommendations to improve system scalability and efficiency

Research Assistant

Pomona College Privacy and Security Lab • Claremont, CA, USA   **May 2023 – Present**

- Directed user-centric studies evaluating app tracking and data privacy labels on iOS and Android platforms for over **50+ users**, providing critical insights for improving user education on privacy
- Utilized **Selenium** and **Beautiful Soup** for large-scale web scraping of over **1,000,000** app store privacy labels
- Applied Object-Oriented Programming (OOP) principles to construct customized classes, streamlining survey data analysis and cleaning for over **100,000 data points**, enhancing the efficiency and accuracy of data processing
- Co-authored "Prevalence and Understanding of Technical Terms in App Privacy Labels" (In submission to PETS: Privacy Enhancing Technologies Symposium)

Projects

- **p-DormLife:** Engineered a **React-based** web platform centralizing housing logistics for over **6,000 students** across 5C colleges. Utilized **Pandas** for data management and implemented a roommate-matching feature using **K-means** and **nearest-neighbor algorithms** to maximize compatibility
- **AI Chatbot:** Developed an interactive chatbot utilizing **Streamlit** and Object-Oriented Programming in **Python**, integrated with the **OpenAI API**. Designed to streamline user interactions and provide tailored responses, enhancing engagement
- **Personal Website:** Crafted a personal portfolio website using **JavaScript, HTML, and CSS**, showcasing projects and professional details [Link]

Awards & Activities

Awards: 2x Pomona Scholar • 4x NCAA All-American Honors • 2x NCAA Academic All-American • 2x Team & Conference Record Holder
Activities: Varsity Swimming • P-ai SWE Project Club Member • Teaching Assistant for Pomona College STEM Courses • Aquatic Staff