Adrian Clement

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Education

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

Computer Science Major • Chemistry Minor

GPA: 3.95

Awards: Pomona Scholar • Four-Time NCAA All-American Honors • NCAA Academic All-American • Team & Conference Record Holder

Activities: Varsity Swimming • P-ai SWE Project Club Member • Teaching Assistant for Pomona College Computer Science & Chemistry Courses • Claremont Colleges Library Services Associate

Relevant Coursework: Intro to Computer Science in Python • 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

Skills

Programming Languages: Proficient in Java, Python, Haskell, HTML5, & CSS • Experience with JavaScript, SQL, LaTeX, R

Frameworks/Libraries: Proficient with JUnit, BeautifulSoup4, Streamlit, Pandas & NumPy • Experience with React.js, Node.js, Docker, Flask, Selenium, JSON

Technologies: Proficient with VS Code, PyCharm, Git/GitHub, Jupyter Notebook & Overleaf • Experience with BitBucket, RStudio

Projects

- **p-DormLife:** Engineered a React-based web platform that centralizes and simplifies housing logistics across the 5C colleges. Utilizes Pandas for efficient data management and implements a roommate-matching feature using K-means and nearest-neighbor algorithms to maximize student 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 user engagement
- **Personal Website:** Crafted a personal portfolio website using JavaScript, HTML, and CSS, showcasing my projects and professional details [Link]
- **Darwin Game:** Created a Java-based 2D survival game using Object-Oriented Programming principles to simulate and explore theories of natural selection

Experience

Privacy and Security Lab, Computer Science Department, Pomona College, CA, USA   **May 2023 – Present**
Research Assistant

- Led user-centric studies to evaluate understanding and misconceptions of app tracking and data privacy labels across iOS and Android platforms
- Leveraged Selenium and Beautiful Soup for comprehensive large-scale web scraping of over 1,000,000 iOS and Android app store privacy labels
- Employed Object-Oriented Programming principles to construct customized classes that streamline survey data analysis and cleaning for over 100,000 data points
- Co-author of: "Prevalence and Understanding of Technical Terms in App Privacy Labels" - (In submission to PETS: Privacy Enhancing Technologies Symposium)

Adidas Employee Store, Portland, OR, USA   **Jan. 2022 – July 2022**
Sales Associate

- Assisted in the sale of Adidas products to company employees and VIP guests
- Trained in store products, services, point-of-sale processes, sales techniques, and retail standards

Portland Aquatic Club, Portland, OR, USA   **Sep. 2021 – Dec. 2021**
Assistant Swim Coach

- USA Swimming Coach Certification (2021-22)
- Devised and implemented training programs and coached swimmers of varying ages and skill levels on club swim team
- Ensured safety of swimmers with Adult & Pediatric First Aid-CPR-AED, Concussion Training, & Swim Safety Training Certifications