

Anderson Tsai

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Education

University of California, Berkeley

Berkeley, CA

B.A. IN COMPUTER SCIENCE AND B.A. IN DATA SCIENCE

August 2019 - May 2023

Introduction to Machine Learning · Introduction to Computer Vision and Computational Photography · Operating Systems and Systems Programming · Discrete Mathematics and Probability Theory · Great Ideas in Computer Architecture (Machine Structures) · Structure and Interpretation of Computer Programs · The Foundations of Data Science · Designing Information Devices and Systems I and II · Efficient Algorithms and Intractable Problems · Data Structures · Introduction to Artificial Intelligence · Principles and Techniques of Data Science · Computer Security · Probability and Random Processes · Data Mining and Analytics

Skills

Languages Python · Java · C/C++ · Javascript · Go · Git/Github · AWS · HTML · PHP · 𐤀𐤅𐤃𐤁𐤀

Frameworks React · Node.js · Django · Flask · Spring · TensorFlow · PyTorch

Databases · SQL · NoSQL · MongoDB · PostgreSQL

Technical Skills System Design · AI/Machine Learning · Data Mining/Analysis · Algorithms · Data Structures · UI/UX

Work Experience

Salesforce

San Francisco, CA

MEMBER OF TECHNICAL STAFF

March 2025 - Present

- Working on Access Management for Core Services team to manage authentication services for the entire MuleSoft platform

ASSOCIATE MEMBER OF TECHNICAL STAFF

July 2023 - March 2025

- Managed Cryptography framework to ensure up-time of 99.99% for customers
- Designed and implemented expiring certificate notification system which reduced incidents related to expiring certificate by 40%
- Modified metadata schema for secrets seamlessly to enable service teams to introduce critical features and enable new functionality for customers
- Oversaw monthly releases for on-premise and cloud offerings to ensure performance regressions were detected and remediated.
- Created performance monitoring framework to make performance validations 40% quicker.
- Fixed critical bugs and improved efficiency of performance testing pipeline by 13%.

Intel

Santa Clara, CA

SOFTWARE ENGINEERING INTERN

September 2022 - July 2022

- Supported frontend and backend development of power management tool using C++ and Qt.
- Developed resource monitoring feature to record system usage (i.e. CPU, Memory, Disk, and GPU) when running workflows within the power management tool. Added cross-platform and remote support.
- Revamped process monitoring by capturing error outputs and improving efficiency in discovering related child processes. Reduced original process monitoring code by length by 60%.
- Resolved several customer concerns and implemented feature requests which led to an 11% increase in customer satisfaction.
- Contributed to regression testing, critical bug fixes, and user documentation.

Salesforce

San Francisco, CA

SOFTWARE ENGINEERING INTERN

May 2022 - August 2022

- Utilized internal tools to diagnose consumer websites (e.g. Robot Process Automation), discovered bugs and bottlenecks in the user interfaces, and proposed solutions.
- Improved front-end performance over five different websites by 77% on average.
- Established front-end performance practices and workflows for the first time at MuleSoft (a Salesforce company).

Allganize

Oakland, CA

SOFTWARE ENGINEERING / ARTIFICIAL INTELLIGENCE INTERN

May 2021 - November 2021

- Managed back-end of AI application. Made performance improvements, implemented new features, and fixed bugs.
- Overhauled OCR pipeline for document ingestion. Improved efficiency by reducing processing times by 20% and increasing accuracy by 12%.
- Researched and integrated multi-modal AI model that finds the most relevant image to a client text query among a client's documents. Led to signed deal for the company.

Extracurriculars

EasyEV

Los Angeles

LAHACKS 2021

March 2021

- BlackRock challenge winner. Created web application with React front-end, JavaScript back-end, Google Cloud, Twilio, news, and stock API's that assists user in being informed about electric vehicles and helps the user in purchasing one through a simple and personalized experience.