Austin Shih

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Education

University of California, Davis

Computer Science & Statistics (ML Track) double major, B.S.   GPA: 3.98/4.00 | Jun 2025

Technology Management Minor

Coursework: Data structures & Algorithms, Discrete Math, Statistics, Machine Learning

Experience

IGN Entertainment - Software Engineering Intern   Jun - Aug 2022
- Updated backend to support new user rewards system for 300 million users
- Developed A/B tests ran on 1000+ users to improve site usability
- Prototyped game activity timeline for users to track played games

Advantech - Information Technology Intern   Jul - Aug 2021
- Searched for creative ways to automate tasks with batch and powershell scripts
- Developed automatic computer setup script saving 30 minutes per computer
- Created system to automatically update computer information lists for 200+ employees

#Include at Davis - Tech Lead   Jan 2023 - Present
- Lead cohort of 10 developers in creating a full stack web application for local clients
- Mentor cohort members on best coding practices and perform in-depth code reviews
- Deployed 2 websites for local businesses within 10 weeks

Projects

Music Mood Classifier   Flask, Next.js, Google Cloud, Scikit-Learn, Librosa

Machine Learning music mood classifier
- Trained Random Forest model on Kaggle achieving over 90% accuracy
- Features extracted from averages of MFCC's, mel spectrograms, and chromagrams

TortlePoll - Live Polling Website   Next.js, MongoDB, Firebase Auth, Pusher, Chart.js

Filter results by demographic group, track your polls, take public polls or keep polls private
- Implemented user authentication for users to keep track of their own polling data
- Dynamic data visualization using Chart.js and Pusher for live updating

Skills

Machine Learning, Cloud Computing, Full Stack development, Relational databases

Libraries/Frameworks - Tensorflow, React.js, Next.js, Knex.js, Express.js, Laravel, Unity

Tools - Postgres, MongoDB, Firebase, Node.js, Git, Apollo/GraphQL

Languages - C++, Java, JavaScript, Python, C#, Php, HTML/CSS, TypeScript, SQL