

# AUSTIN SHIH

[austinhshih@gmail.com](mailto:austinhshih@gmail.com) | 510-737-3634 | [austinhshih.com](http://austinhshih.com) | [LinkedIn](#) | [Github](#)

## EDUCATION

### University of California, Davis

GPA: 3.98/4.00 | Jun 2025

B.S. Computer Science | B.S. Statistics (machine learning track) | Minor in Technology Management

Coursework: Data structures & Algorithms, Object Oriented Programming, Machine learning

---

## EXPERIENCE

### IGN Entertainment

Jun 2022 - Aug 2022

*Software Engineering Intern | San Francisco, CA*

- 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

Jul 2021 - Aug 2021

*Information Technology Intern | Milpitas, CA*

- 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
- 

## LEADERSHIP

### #Include at Davis

*VP of Technology*

Jun 2023 - Present

- Leading 25 developers in development of Content Management System & E-Store Framework
- Teaching industry standards for Next.js and Apollo servers learned from prior internships
- Architecting scalable Next.js & Apollo, Prisma, Postgres codebases
- Developing DevOps pipeline with Github Actions to provide smooth development experience

*Technical Lead*

Jan 2023 - Jun 2023

- Manage cohort of 10 developers in creating a full stack web application for local clients
  - Mentor 10 cohort members on best coding practices and perform in-depth code reviews
  - Deployed <https://www.bloomandvine.net> & <https://ielctutoring.com> within 10 weeks
- 

## PROJECTS

### Music Mood Classifier

Flask, Next.js, Google Cloud, Scikit-Learn, Librosa

*Machine Learning music mood classifier*

- Trained Random Forest model achieving over 95% accuracy
- Features extracted from averages of MFCC's, mel spectrograms, and chromagrams
- Reliably deployed with Nginx & Unicorn on AWS EC2

### TurtlePoll - 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
- 

## ADDITIONAL INFORMATION

**SKILLS:** Full Stack development, Machine Learning, Relational databases, Cloud Computing

**FRAMEWORKS:** Next.js, React.js, Express.js, Apollo, Jest, Knex.js, Tensorflow, Unity, Github Actions

**LANGUAGES:** C++, JavaScript, TypeScript, Python, Java, C#, HTML/CSS, SQL, GraphQL

**TOOLS:** PostgreSQL, MongoDB, Firebase, Node, Github