DAVID HAN

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EDUCATION

University of Southern California Viterbi School of Engineering   Los Angeles, CA
Bachelor of Science (B.S.) Computer Science | GPA: **4.00**   May 2026 (Expected)
- Intended Minors**:** AI Applications, Video Game Programming
- Relevant Coursework: Intro to Programming, Discrete Methods in Computer Science, Data Structures and Algorithms, Calculus III, Intro to Interactive Entertainment, Game Design Workshop, Mechanics and Thermodynamics
- **Presidential Scholar** (2% of Students, Half Tuition)

SKILLS AND INTERESTS

- **Languages:** Java, Python, C++, HTML, CSS, JavaScript, SQL, Swift, Data Science, English (Native), Chinese (Proficient), Spanish (Proficient)
- **Frameworks:** React Native, Flask, Git, APIs, Pandas, NumPy, PyTorch, MATLAB, Figma, MS Office

PROJECTS

AceAnalytics (JavaScript)   November 2023 - January 2024
- Developed a poker stat-tracking mobile application with React Native components drawn from my Figma prototype
- Designed a clean and intuitive user interface, facilitating effortless session tracking, stat visualization, and user personalization

FlareDeck (Python/Flask)   October 2023
- Created an intelligent flashcard generator for HackSC, employing Python and OpenAI API for automatic extraction of key notes info
- Designed and deployed the web application using Flask, ensuring a seamless user experience with an intuitive HTML/CSS frontend

Penn Engineering Summer Academy (Data Science)   June 2022 - July 2022
- Applied Python techniques with related packages to clean and analyze actual Netflix data drawn from open datasets
- Employed Python packages such as NumPy, Pandas, and Matplotlib to create intricate visualizations displaying trends in data
- Determined the main drivers of society's media viewing habits by extracting patterns from the data

WORK EXPERIENCE

USC Annenberg Media   Los Angeles, CA
Web Developer   January 2024 - Present
- Utilizing Annenberg Media's internal developer tools, Okta and Arc Publishing to manage the website and perform data analytics
- Employ HTML and CSS practices to curate user-friendly UI components for landing pages and articles on the Annenberg Website
- Visualize pertinent crime data by leveraging Python scraping tools/ libraries to obtain crucial info from USC's daily crime logs

Gyu-Kaku Japanese BBQ   Overland Park, KS
Restaurant Host   May 2023 - August 2023
- Communicated and collaborated with management, kitchen/serving staff, and guests to ensure quality and satisfaction
- Organized atmosphere by taking calls/reservations, bussing tables, stocking inventory, and preparing takeout orders
- Successfully greeted, assigned, and escorted 200+ patrons per shift utilizing OpenTable software

LEADERSHIP & INVOLVEMENT

USC Theta Tau Professional Engineering Society (Media Chair)   December 2023 - Present
- Utilize HTML/CSS to maintain and edit the USC Theta Tau website, ensuring full functionality coupled with constant updates
- Curate custom graphics for multiple media platforms, boosting interest rates by 17% amongst 200+ potential new members
- Edit videos with Vegas while expanding to relevant platforms such as YouTube and TikTok, amassing thousands of engagements

LEO Club (President)   August 2021 - May 2023
- Led and established local, state, and national service opportunities for 120+ members in the greater Kansas City area
- Planned and facilitated weekly meetings & formulated a monthly calendar full of volunteering events

HONORS & AWARDS

- Maseeh Entrepreneurship Prize Competition Cohort (2023)
- Viterbi Dean's List (2023)
- KState High School Programming Contest Advanced Division Winner (2022)