Ethan Lee

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SUMMARY

4th year computer science student at UC Irvine with 3 years of programming experience through internships with the LA Chargers, Athletics Office of Information Technology, Sports Business Association, and personal website projects.

EDUCATION

University of California, Irvine — Cumulative GPA: 3.7/4.0
Bachelor of Science in Computer Science, Minor in Statistics — *Oct. 2020 - Apr. 2024*

EXPERIENCE

Information Technology Intern — July 2022 - Present
Los Angeles Chargers Football Co. — *Costa Mesa, CA*
- Coded Selenium browser automation to translate all of the company's asset data from Excel to Service Desk Plus
- Built a command-line interface with Python to expedite the setup and configuration of Cisco IP phones by 80%
- Generated using PowerShell spreadsheets of users with outdated devices, expired passwords, or full mailboxes
- Migrated PowerShell scripts for onboarding & offboarding to the latest Graph API libraries before deprecation
- Developed PowerShell automation scripts to standardize user group management, staff lists, and asset loaning

Vice President of Strategy and Engagement — Jan. 2022 - Present
UCI Sports Business Association — *Irvine, CA*
- Aggregated growth, reach, and engagement metrics for Instagram, LinkedIn, and Facebook via Kaggle notebooks
- Established database of meeting type and attendance rate to judge what appealed most to club members
- Developed and presented numerous visualizations during executive meetings to guide club advancement

IT Support Assistant — Jan. 2022 - June 2022
UCI Athletics Office of Information Technology — *Irvine, CA*
- Provided gameday technical troubleshooting for collegiate basketball, volleyball, and baseball team staff
- Maintained comprehensive documentation for issues and resolution steps formatting by event venue and group
- Troubleshot and escalated hardware, software, and network issues for live stats, ticketing, and broadcasting

Strategy and Analytics Intern — Feb. 2021 - Sep. 2021
GameTree — *Remote*
- Developed scripts with PyMongo & Jupyter Notebook to query video game ratings vs. user demographics
- Built a presentation which identifies a video game's player base, target audience, and competitor differences
- Assisted crowdfunding strategies through creation and segmented analysis of user app experience surveys

PROJECTS

ME-DB (Media Entertainment-Database) | *MongoDB, ExpressJS, ReactJS, NodeJS* — Aug. 2023 - Present
- Created a CRUD app to display user-specified tier list rankings for their favorite tv shows, movies, and games
- Customized interface to switch between To-Do List and Collection pages with the ability to filter by year and tags
- Utilized Google Oauth2 login to connect a user's data to their Google account for simplified usage and security
- Implemented with Cookie-Session to maintain data across web routes and remember credentials for 24 hours
- Deployed online under a custom domain using Render.com for the API backend and Vercel.com for the frontend

Spotify Statys | *Python, Flask, Spotify API, Heroku* — June 2021 - Present
- Hosted online with Heroku to analyze any specific songs, artists, and created playlists in a user's library
- Visualized over 30 unique interactive Plotly figures including bar charts, time series graphs, and box plots
- Displayed the top created playlists, genres, and audio features based on the user's top 50 artists and songs
- Used FlaskResponse with event streaming to show progress of collecting all of the user's playlist data upon login

AWARDS

Eagle Scout | *Troop 765 - Carmel Valley, San Diego, CA* — Aug. 2019
- Personal Eagle Project: 250+ hours to plan, coordinate, and build wooden informational kiosk

SKILLS AND INTERESTS

Technical Languages: Python, Java, C/C++, JavaScript, SQL, HTML/CSS, MongoDB, Ruby, Markdown
Frameworks: Flask, ReactJS, NodeJS, ExpressJS, MySQL, Bootstrap, Jekyll
Developer Tools: Git, Visual Studio Code, IntelliJ, Eclipse, Jupyter Notebook
Data Science Libraries: Pandas, NumPy, Matplotlib, Scikit-Learn, BeautifulSoup, Seaborn, Plotly
Interests: NFL & fantasy football, tennis & pickleball, sitcoms, pop punk, strategy games, fingerstyle guitar & ukulele