

# ETHAN LEE

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Github: <https://github.com/Ethan-Lee7> – Location: 94539 San Francisco Bay Area

## SKILLS

Programming: Python, Java, C++, C#, HTML/CSS/JS, Bash/Shell Scripting, ASP Dotnet, Flask, Web Scraping, React, ExpressJS  
Analytics: Pandas, R, Numpy, Scikit-Learn, Tensor-Flow/Keras, SQL, DynamoDB, MongoDB  
Cloud: Docker, Kubernetes, Amazon Web Services, Microsoft Azure, Ubuntu, RedHat Enterprise Linux

## WORK EXPERIENCE

Amazon | Software Development Engineer Intern *Seattle* | (06/2022) – (09/2022)

Prospective Summer 2022 Software Development Engineer Intern at Amazon.

Cisco - Webex | Software Engineer Intern *San Jose* | (03/2022) – (06/2022)

Prospective Spring 2022 Software Engineer Intern at Cisco Webex.

jTask | System Operations and Security Analyst Intern *San Mateo* | (06/2021) – (09/2021)

Configured automated penetration testing for main company application, rectified security issues in code base, analyzed and integrated AWS security tools, and implemented multi-factor authentication in MVC ASP Dotnet application.

Fiverr | Freelance Programmer *Remote* | (05/2020) – (08/2020)

Performed web scraping and web development gigs on Fiverr and gained experience working with customers and developing various applications.

## EDUCATION

Bachelor's Degree | University of California at San Diego, *Expected Graduation: (06/2024)*  
La Jolla, CA — Data Science (GPA: 4.0, Major GPA: 4.0)

## CERTIFICATIONS

Amazon Web Services | AWS Certified Developer Associate (10/2021) – Present

The Linux Foundation | Certified Kubernetes Administrator (01/2021) – Present

## PROJECTS AND ACTIVITIES

Rotten Tomatoes | Text Generation and Predictive Analysis (05/2021) – Present

Research project on a self web scraped Rotten Tomatoes movie reviews data. Analyzed data using sentiment analysis, TF-IDF, aspect-mining, and topic modelling. Created predictive analysis model Random Forest Regressor and text generation using LSTM networks. Final outcome displayed on a front-end dashboard implemented with Streamlit.

Data Science Student Society | Project Lead (04/2021) – Present

Team project lead at UCSD's Data Science Student Society. I lead a team in building projects centered around machine learning, computational statistics, data mining, visualization, predictive analytics, and other fields of study.

Stock Twitter Research | Stock Prediction (10/2020)

Stock Prediction model that uses Twitter API and Google Cloud NLP to predict stock prices based on Twitter sentiment around a company.

Proform | Video Similarity Pose Estimation (11/2019)

Utilizes CMU's openpose technology to track athletes' form. Python algorithm calculates form disparity between user and professional athletes using vector error analysis. Output is displayed on a frontend Flask web page.