

Victor Thai

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EDUCATION

University of California, San Diego

October 2020 - June 2024

B.S. - Data Science, Minor in Cognitive Science

Cumulative GPA: 3.66

Coursework: Data Structures, Algorithms, Machine Learning, Data Analysis, Web Mining, Databases and Scalability, Linear Algebra, Data Visualization, Probability and Statistics, Project Management, Statistical Methods

TECHNICAL SKILLS & TOOLS

Languages: Python, Java, MySQL/SQL, Elementary R

Technologies: Pandas, Numpy, SciKit-Learn, Jupyter Notebook, Git, AWS experience, Regex, Matplotlib, Microsoft Excel, PowerPoint

EXPERIENCE

UCSD Information Technology Services (ITS) | Software Engineer | Remote

October 2022 – Present

- Integrate new features among UCSD mobile application through **Flutter, Dart implementation**
- Collaborate with engineers to provide solutions to ongoing software issues with UCSD app, **git** version control
- Working with ArcGIS integrate existing location busyness data into interactive feature map, **AWS Lambda, AWS gateway**

Data Science Student Society (DS3) | Assistant Projects Director | La Jolla, CA

July 2022 – Present

- Provide **mentorship to 3 data science projects** and oversee flow throughout project production
- Organize projects showcase after course of 2 quarters and outreach to various data science corporations

SRA Students Online Achieve Results | Peer Mentor | Remote

July 2022 – Present

- Lead bi-weekly discussions for cohorts of 8-15 students on college guidance, resume critique, interview prep
- Served as a resourceful role model for first-year students from prestigious universities all across the country

Medical Operations Intern | University of California, San Francisco

June 2019 – September 2021

- Instructed new interns during Phlebotomy, Intravenous Injections, and CPR simulations
- Accelerated Masters Entry Nursing Program through leading clinical simulations, operated simulation equipment
- Certified in Basic Life Support (BLS)

PROJECTS

NBA Basketball Player Analysis | Python, Matplotlib

- Analyzed NBA player league statistics and high school record to determine likelihood of playing in NBA
- Web Scraping using **Beautiful Soup**, familiarity in **HTML**, generated visualizations on outcomes

Spotify User Behaviors | Python, Pandas, Sklearn, Streamlit, Spotify API

- Sampled Spotify's 64 gb user listening data to determine and predict listening behavior using **Sci-Kit Learn Linear Regression, Random Forest Classifiers, and Cosine Similarity**
- Developed **StreamLit** data science web application that dynamically integrated prediction model

Consumer Price Index Modeling | Python, Pandas, Sklearn, Streamlit, FRED API

- Distributed tasks to project members while learning agile skills which were later taught to project members
- Utilized Bureau of Labor Statistics and FRED API to fetch CPI dataset while exploring **Multiple Linear Regression, ARIMA, and VARIMA models**
- Created a CPI (Consumer Price Index) time series prediction model for upcoming months using Data pipeline, visualizations, and analytics.