RANDY HUYNH

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WORK EXPERIENCE

Computer Science Education Research Assistant   Apr 2022 - Present
University of California, Irvine   *Irvine, CA*

- Co-wrote a paper with 3 other students describing how algorithm courses are taught in 50+ US colleges and universities
- Gauged algorithm topic popularity and importance from data from 50+ different professors
- Created bar graphs using Excel and performed Cramer's V test to determine the correlation between algorithm topics using Pandas and Seaborn

Software Development Engineer Intern   Jun - Sept 2022
Amazon   *Seattle, WA*

- Worked in Traffic & Marketing Tech to expand Amazon's global outreach through management and implementation of millions of ads onto various search engines
- Developed skills in Java, AWS services (SQS, SWF, DynamoDB, Lambda) and dependency injection using Spring
- Redesigned existing internal processes to increase ad support and expansion

PROJECTS

Part of Speech Tagging (POS Tagging)   Jun 2022
University of California, Irvine   *Irvine, CA*

- Implemented and evaluated 3 POS tagging methods: Markov Chain (MC), Hidden Markov Model (HMM) and Conditional Random Fields (CRF)
- Wrote the MC and HMM from scratch using Pandas and NumPy from 50+ different professors
- Implemented CRF using scikit-learn
- Co-wrote a report with 2 others analyzing the results using Matplotlib and Google Collab

Detecting Covid 19 Misinformation on Twitter   May 2021
University of California, Irvine   *Irvine, CA*

- Won Best Presentation at the 2021 UCI Machine Learning Hackathon and the only team of undergraduates to win an award amongst 100+ attendees
- Characterized 6500+ tweets through wordclouds and Seaborn plots to determine commonalities between tweets spreading misinformation
- Classified the tweets using bag of words, logistic regression and decision trees

EDUCATION

Bachelor of Computer Science, University of California   Expected 2024
Relevant Coursework: Machine Learning, Information Retrieval, Python Programming, SQL, No-SQL, Statistics, Linear Algebra

SKILLS

Data Science Skills	Jupyter Notebook, Pandas, Matplotlib, scikit-learn, BeautifulSoup, SQL, MongoDB
Web Development Skills	React, HTML, SASS (CSS), Javascript, Flask
Other Technical Skills	Git, AWS, Java, C++
Soft Skills	Communication, collaboration, organization, decision making, adaptive