

EMILY NGUYEN

enguye24@gmail.com • 480-651-6408 • www.linkedin.com/in/emily-nguyen

EDUCATION

Chapman University | Orange, CA

Anticipated Graduation May 2024

B.S. - Computer Science

Cumulative GPA: 3.72

Minor in Analytics & Psychology

Related Coursework: Data Science, Intro to Machine Learning, Statistical Models in Business Analytics, Database Management, Data Structures, Algorithms, Discrete Mathematics, Linear Algebra, Statistics

SKILLS & TECHNICAL TOOLS

Languages: Python | Java | SQL | HTML/CSS | JavaScript | Unix/Linux

Technologies: Tableau | Power BI | VS Code | Pandas | Jira | MS SQL Server | Git | Jupyter Notebooks | QLIK

PROFESSIONAL EXPERIENCE

AAA - Auto Club Enterprises

DevOps Analyst

Jun 2023 - Present

- Implement resource-efficient database configurations, reducing hardware costs by 15% while maintaining high system performance
- Strengthen database security by implementing role-based access control, reducing unauthorized access incidents
- Automate routine database maintenance tasks, reducing manual work by 60% and freeing up time for strategic initiatives
- Establish real-time monitoring systems, enabling proactive issue detection and resolution

Database Administrator Intern

(Jun 2023 - Aug 2023)

- Participated in daily Scrum ceremonies and cross-functional collaboration within the Agile team
- Partnered with a mentor to implement SQL Server migrations, installations, & upgrades
- Conducted regular database maintenance, including backup, recovery, HA/DR models, and optimization
- Networked with executives and senior leaders across different business units

Code Ninjas

Feb 2023 - Aug 2023

Computer Science Tutor

- Taught students the fundamentals of programming, problem-solving, and algorithm design
- Guided students through building their own personal projects using Scratch, Python, & JavaScript
- Collaborated by exchanging ideas with fellow educators, optimizing student learning outcomes
- Provided regular feedback and support to ensure continuous improvement and academic success

RELEVANT PROJECTS

Personal Portfolio - <https://emilynguyenl.github.io>

Pitcher Regression Analysis

Nov 2023 - Dec 2023

- Developed a predictive model to forecast a pitcher's ERA based on significant performance features
- Applied feature engineering techniques to extract relevant information from raw data

Sephora Product Insights

Oct 2023 - Dec 2023

- Conducted supervised modeling to identify the most impactful product features on user ratings
- Employed clustering techniques to group products, providing insights into customer segments

Cookbook Database Website

Apr 2023 - Jun 2023

- Utilized MySQL as the backend database for efficient data storage and retrieval
- Developed the website using Next.js, ensuring fast and responsive user experiences

DriveQuest Driving Test App

Aug 2021 - Dec 2021

- Worked with a team of 20 to develop an app for a private company using Agile SDLC methodologies
- Met with client to prioritize business requirements and address any concerns