Huy Le

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Education

University of Arizona Tucson, AZ
Bachelor of Science in Computer Science *GPA: 3.96* Aug 2020 - Present

Experience

University of Arizona Tucson, AZ
Computer Science Teaching Assistant Aug 2023 - Dec 2023

- Supported an expansive class of 100+ students by assisting with in-class activities, grading assignments, and hosting office hours. Designed a class project, which remains in use to this day.
- Worked closely with the professor and other TAs to extensively monitor class progress and quickly respond to student feedback.

University of Arizona Tucson, AZ
Computer Science Tutor Coordinator Aug 2022 - Present

- Coordinated the center's marketing efforts. Created promotional material which led to a 7% increase in weekly traffic.
- Used data-driven approaches for scheduling to ensure the center operates smoothly during peak hours.
- Oversaw recruitment, training, and feedback for a team of 17 tutors.

University of Arizona Tucson, AZ
Blue Chip Leadership Aug 2021 - Dec 2021

- Participated in a leadership development program that focused on the principles of design thinking and inclusivity training.
- Collaborated with a group of 4 members to design an action plan to install aerators around campus as part of a design competition organized by HydroCats, an on-campus organization.

Technical Skills

Programming Languages:	Java, Python, C
Tools:	Linux, Git, Bash
Relevant Coursework:	System Programming, Database Design, Algorithms, Geometric Algorithms,
+:	Principles of Data Science, Object Oriented Programming & Design,
+:	Text Retrieval & Web Search, Web Programming, Neural Network,
+:	Artificial Intelligence, Parallel and Distributed Programming, Operating Systems

Projects

Spotify Music Player *Java*
Worked in a team of 4 to build a music player with Spotify integration using JavaFX and an MVC architecture, following Agile Scrum methodologies. Utilized Spotify's API to retrieve and display song data, including album art, artist name, and track name.

Watson Project *Java* https://github.com/huyyyle/watson-project
Implemented a high performance search engine that could answer Jeopardy questions with data from a subset of Wikipedia articles using Lucene. Utilized NLP techniques such as RAKE and Porter Stemming for query expansion and document processing, resulting in a 25% increase in Mean Reciprocal Rank vs. baseline.

CSV Dynamic Hashing *Java*
Developed a program that dynamically indexes records stored in CSV files and stores them as binary data. Used a variation of the extendible hashing structure to ensure fast and efficient querying.

Multi-class emotion classification model *Python* https://github.com/huyyyle/emo-class
Fine-tuned a BERT language model to identify one or more emotions present in an input text. Automated hyperparameter tuning using Weight and Biases API. Achieved 5% higher accuracy over the baseline model. The model placed #2 in class.

Awards

Global Wildcat Award Scholarship University of Arizona
A merit-based scholarship worth $120,000 awarded to international students with outstanding academic performance. 2020