David Cheung

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Education

Northwestern University, Evanston, Illinois
Master of Science in **Computer Science** | Bachelor of Science in **Computer Science**   Anticipated 12/2023
Cumulative GPA: **3.90/4.00**
Relevant Courses: Agile Software Development, Web Development, Rapid Prototyping for Software Innovation, Practicum Intelligent Information Systems, Artificial Intelligence, Machine Learning, and Deep Learning.

Experience

CS + Law Innovation Lab Course, Northwestern University, Evanston, Illinois
Client: LCBH Paralegals   1/2023 – 3/2023
- Built a complementary web application using ReactJS with MongoDB in the Help Scout platform to decrease turnaround response times for housing inquiries.
- Built a backend API in Flask that fetches data from Help Scout and compute classification predictions.
- Applied machine learning (KNN) classification to automatically classify the type of the inquiry and select a canned response that a paralegal can use to quickly reply to a tenant's inquiry.

Agile Software Development Course, Northwestern University, Evanston, Illinois
Client: Adobe Researchers   3/2022 – 6/2022
- Built a legal PDF parser software application in ReactJS with Firebase backend support where it extracts important information such as legal jargons, payments, and payments deadlines.
- Applied term matching to identify important information in the legal document then manually filtering out any false positive important information.
- Applied machine learning classification to automate classification of important terms and translated them to a new PDF for users who are less familiar with legal documents.

D65 CS Volunteer, Northwestern University, Evanston, Illinois
Volunteer/Teaching Assistant   1/2023 – Now
- Assisted teaching 5th grade students in Evanston District 65, where computer science resource is scarce, fundamental coding concepts in Python using the musical platform Tunepad.
- Taught the students, under the mission of equitable CS education, to use computer science as form of self-expression, rather than a career choice, to show how they can use CS to impact the world around them.

Northwestern University, Evanston, Illinois
Peer mentor/ Undergraduate Teaching Assistant   4/2021 – Now
- Provided course help, such as teaching concepts, debugging skills. and reading documentations, to my peers in digital circuits, data science, computer graphics, and artificial intelligence to ensure their foundational understanding in these areas.
- Taught my underclassmen peers on how to use modern software technologies for coding and version controls, including Visual Studio Code and GitHub so they can be effective and independent programmers.

Ivy Garden Learning Center, Chicago, Illinois
Leader Tutor   2/2017 – 6/2019
- Tutored students from grade 4 to grade 8 five days a week on mathematics, writing, and science.
- Prepared students to take the Common Core exam NWEA for Selective Enrollment high schools.

Skills

Programming Languages: Proficient in Java, JavaScript, Python, C#, and SQL
Framework, Engines, and Databases: React, Unity, Firebase
Languages: Cantonese Chinese (fluent and Native), Mandarin Chinese (conversational)