VIVIAN CHEN

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EDUCATION

B.S. in Computer Science, University of Houston   June 2024
Minor in Mathematics
Relevant Coursework: Data Structures, Database Systems, Digital Image Processing, Intro. to Interactive Game Development, Data Science and Machine Learning

SKILLS

Programming Languages	HTML, CSS, C/C++, Python, PHP, SQL, GDScript
Frameworks & Software	MacOS, Node.js, React, MySQL, Visual Studio Code, R-Studio, PyCharm, Git

PROJECTS

Pebbles Goes to Penguin Prison (PC)   Aug 2023 - Present

- Collaborated with a team of 8 to develop a 2D top-down rogue-like video game, overseeing gameplay features such as damage mechanics, combat dynamics, and health bars.
- Programmed character interactions and enemy behaviors within the Godot environment using GDScript.
- Managed project version control and collaborative development processes using Git.
- **Language and Technology:** Godot, GDScript, Aseprite, Git

Data Analysis of School Attendance Patterns 2020-2021   Aug 2023 - Present

- Led a team to analyze the "School Attendance by Student Group and District 2021-2022" dataset, sourced from Data.gov, to study the impact of COVID-19 on student attendance.
- Applied Linear Regression and Decision Trees, supported by cross-validation techniques, to uncover correlations between student groups, districts, and attendance rates.
- Isolated critical factors influencing attendance shifts.
- **Language and Technology:** R-Studio

EXPERIENCE

Web Developer   June 2023 - Present
University of Houston - Sugar Land   *Sugar Land, TX*

- Led the migration of archived newsletters from email to a web format, enhancing user accessibility and experience.
- Actively maintain UH Sugar Land & UH Katy websites and applications on a CMS platform.
- Utilize JavaScript, HTML, PHP, CSS, and Bootstrap for design, functionality, and content updates.

LEADERSHIP & CAREER DEVELOPMENT

Service Chair/Academic Chair   Jan 2022 - Jan 2023
alpha Kappa Delta Phi   *Houston, TX*

- Collaborated with the Fundraising Chair to spearhead large-scale fundraising events, primarily supporting Breast Cancer Awareness.
- Managed and organized service hours and financial records for over 30 sorority sisters.
- Orchestrated an academic workshop featuring speakers addressing study habits and resume-building, attended by 30+ individuals.
- Designed a tailored resource to guide sisters in discovering scholarships and opportunities based on their academic majors and interests.