Danny Chung

Software Developer (Entry Level)

Las Vegas, NV

EDUCATION

B.S. Computer Science — *Oregon State University, Corvallis*
GPA: 4.00
June 2020 - Expected Graduation: June 2022

Doctor of Dental Medicine — *University of Nevada, Las Vegas*
September 2010 - June 2014

B.S. Biology, minor in Music — *University of Nevada, Reno*
with distinction
September 2005 - May 2009

SOFTWARE PROJECTS

Image Conversion Algorithm - Hand Drawn Grid to 2D Array — *Python, OpenCV*

-Designed and implemented an algorithm, utilizing Computer Vision, to transform a drawn image maze on graph paper into a 2D array.
-Utilized OpenCV in Python, with thresholding, bit masking, and Gasussian blur to make a raw image readable.
-Adapted a feature for users to draw out their own custom dungeon maze in a dungeon crawler video game.

Custom Unix Shell — *C, Linux*

-Created shell with support for running background and foreground processes, overriding SIGSTP signal for usage as the toggle.
-Manually built commands for changing directory, status, and input/output redirection, with other commands being sent to exec() function family.
-Handled memory management and tracking of forked child processes for proper termination.

Database-driven Website — *Javascript, NodeJS, HTML, CSS, MySQL, AJAX*

-Built back-end server with NodeJS, utilizing RESTful API design principles.
-Created a front-end website which interacts with a MySQL Database, using Handlebars and Express for data display.
-Wrote and tested SQL queries from simple creates, inserts, deletes, and updates, to more complex selects, joins, and unions utilizing relational algebra.
-Designed a relational database with Entity-Relationship diagramming and schemas.

PROFESSIONAL EXPERIENCE

General Dentist — *Pacific Dental Services, Boston Dental Group*
2014 - 2021
-Provided surgical and non-surgical dental treatment to patients.
-Led a team of office managers, receptionists, dental assistants, and new dentists toward successful patient management and ethical practice of dentistry.
-Cultivated relationships with both staff and patient base through interpersonal and communication skills, fostering a positive work environment.
-Strengthened and increased patient base of new dental offices, along with production of revenue for established dental offices.

SKILLS

Python, Java, C, JavaScript, HTML, CSS, NodeJS, Express, MySQL

RELEVANT AWARDS

Future Business Leaders of America 2005
-Java Programming 2nd Place

LANGUAGES

English (Fluent),

Mandarin Chinese (Conversational),

Spanish (Fluent)

LINKS

Github:
https://github.com/chungd87/

Portfolio Website:
https://web.engr.oregonstate.edu/~chungdan