KYLE MCFARLAND

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EDUCATION

CODING DOJO BOOTCAMP - SEATTLE, WA (2017)

Full Stack Python -

Worked with the Django framework and SQLite database structure to build web apps.

Capstone Project: Built a travel-buddy app with full login/registration and validation that allowed users to create vacation itinerary and join other users' travel plans.

Algorithmic work: Arrays(reverse, min/max, inserts, rotations), Strings(reverse, roman numerals, valid parenthesis pairs).

Full Stack C# -

Used the .net/Dapper and .net/Entity framework with the MVC model along with relational databases to build web apps.

Capstone Project: Built an eBay-like site with full login/registration and validation that allowed users to post items for auction with an ending date. Users had a wallet specific to their account and could bid on other auctions. Once auctions expired, users were appropriately billed.

Algorithmic work: Linked Lists(inserts, reverse, contains dedupes, palindromes), Recursion(Fibonacci, binary search), Trees(binary search, adds, removes, rotations).

Full Stack MEAN -

Built reactive web apps using Angular4/Express/Node.js and learned how to interact with non-relational databases via MongoDB

Capstone Project: Built a twitter like site where users could post stories to their wall, or like and comment on other users' posts.

Algorithmic work: Sorts(n^2, nlogn), Hashes

TECHNICAL SKILLS

Python/Django	MongoDB	Microsoft Azure Web Services
C#/.Net	Unity3D	
Git/GitHub	Amazon Web Services	HTML5/CSS3/Javascript
MySQL/SQLite		RESTful App development

SIDE PROJECTS

‣ PacMan - HTML/CSS/JS   -   https://github.com/shmashing/pacman

‣ 3rd Person Shooter - Unity3D/C#   -   https://github.com/shmashing/MobaLeague

‣ RogueLike Dungeon Crawler - Python3   -   https://github.com/shmashing/RogueLike

References available upon request