

Game Developer Game Developer Software Engineer - SQLite Phoenix, AZ Work Experience

Game Developer Independent - Phoenix, AZ May 2019 to Present C#: Project was completed in C#.

? SQLite: Database was maintained in SQLite. ? Design: Ability to design mobile game Ammoth, from conceptual to actual development. ? Unity: Gained valuable knowledge about Mono Framework, tilemaps, construction in both 2D and 3D, and the concept of components. ?

Animation: Created animation from spritesheets to create transitions states between. ? Logic and Programming: Project was independently programmed and maintained, from creating state machines, classes, functions, to maintaining database. Full-Stack Software Developer Intern

REPAY - Tempe, AZ June 2018 to August 2018 Python: Main source code developed in Python and was the majority of my work. This included Creating classes, functions, test cases, etc ? C#:

Deprecated code maintained, creating test cases for the small team that was developing and maintaining the code. ? React: User interface was updated based off the back-end changes developed in Python, created 2 business rule pages and appended code to source to fit project needs. ? Data Obfuscation: Back-end obtains data from Postgres database and project task is to

obfuscate data based on set of business rules to meet customer business request that are maintained in database. ? Postgres: Maintained and tested local database in Postgres. ? RedShift:

Setup, schema design and management of Amazon Redshift. ? Amazon Web Service (AWS): Services used include EC2, S3, RDS, ElasticSearch, Kibana that were used. ? Docker: Docker

used for daily localization of the project for testing and development. Software Engineer/ Researcher Bair Group Real Estate - Phoenix, AZ August 2011 to November 2014 Automation: Developed a strategy for an automation program in a competitive market for real estate. ? Research: Investigate

how the current competitors grabbed houses, was able to create a strategic direction for the real estate to move forward with. ? Parser: Created a web parser that read data on a page and based on real estate agents needs ? Autoclicker: Program would tell based on parser where to click on

links to reserve housing for further research. ? Produced Results: House retention went from 30 to 90 percent. Education Master of Science in Computer Science in Computer Science Arizona State University - Tempe, AZ January 2017 to December 2019 Bachelor of Arts in Psychology in

Psychology Northern Arizona State University - Flagstaff, AZ January 2012 to December 2016 Skills
Api, C#, C++, Design patterns, Docker, Html, Javascript, Python, Postgres, Sql, Rest, Java Links
<https://davidsoftwareengineering.wordpress.com> <http://www.davidmccracken.com>
<https://github.com/davidmccracken> Additional Information Programming Skills Languages: C#,
Python, Javascript, C++, SQL, Java, HTML. Technologies: AWS, React, Ansible, Postgres,
Design Patterns, Test-driven, Microservices, REST API, Docker, Kubernetes

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