James Carr, P.E.

Software Engineer

jamescarr1018@gmail.com
linkedin.com/in/jamesalexandercarr/
github.com/thecrazyjames
(610) 310-8902

EXPERIENCE

Skyman Studios, Inc. — *Owner/ Product Manager* – JUNE 2017 - PRESENT

Created a cross-platform real time mobile game. Programmed in C# and using all original ideas and characters. Game offers in-app purchases and paid advertisements. Initiated sales and marketing activities to increase brand awareness and grow customer base for initial product launch date.

- Available on iOS and Android Platforms – *TALOS: Brawl Masters*
- https://apps.apple.com/us/app/talos-brawl-masters/id1316313000
- Successfully achieved 30,000+ unique users since launch

CEDARVILLE Engineering —*Project Manager* – APR 2020 - PRESENT

Manage complex civil engineering projects through completion. Coordinate directly with project owners, municipal officials, agency reviewers, design teams, and other engineering consultants managing all aspects of a project from design through construction. Additional activities include business development, proposal writing, managing budgets, running meetings, QA/QC, technical plan review, calculations and reports, and technical presentations.

- Driving projects through completion on time and under budget
- Leading the engineering design team and construction personnel

Bentley Systems, Inc. — *Sales Engineer* – MAR 2018 – JUNE 2020

*Exceeded sales quotas and increased industry awareness of civil and bridge engineering software. P*articipate in regular business development and sales activities; building a strong customer rapport and in-depth comprehension of client needs to successfully close software purchases, subscriptions, and services. Develop and launch strategic sales campaigns to educate and emphasize business value to a large volume of potential leads in short periods of time.

- Exceeded $1.6 Million 2018 quota at 120% and $2.3 Million 2019 quota at 108%

EDUCATION

Pennsylvania State University, University Park — *Civil Engineering*

SEPT 2008 – MAY 2013

PROJECTS

TALOS: Brawl Masters — *Real time platform fighter mobile game, character animation, menu selection, performance analytics, company website*

Asteroids — *Classic Arcade style game. Utilizes collisions, dictionaries, image manipulation, splash screens, score tracker, fluid game play and interactivity*

Matching Game — Interactive *web based game where you have to find the picture that does not belong. Utilize random number generator for unique turn each time*

Ristorante Website — *Design a website for a pizza restaurant. Create About Page, Order Form, Photo Slider, Contact Us, Social Media website links, Log-in Modal*

BlackJack — *Play against CPU, Closest to 21 without going over wins*

SKILLS

Web Development
Project Management
Object Oriented Programming
Presentations and Speaking
Github / Git / Version Control

CERTIFICATIONS

Javascript Algorithms and Data Structures - freeCodeCamp
300 hours of Coursework

Responsive Web Design - freeCodeCamp 300 hours of Coursework

Front-End Web UI Frameworks and Tools: Bootstrap 4 – Hong Kong University create restaurant website using HTML, CSS, Sass, jQuery, and Bootstrap

Introduction to SQL – Rice University create MySQL Database. Database design with tables, foreign keys and many-to-many relationships

Interactive Programming in Python (Part 1 and 2) – Rice University learn about programming concepts to build interactive and logic based games such as BlackJack, Asteroids, Rock Paper Scissors

Professional Engineer (P.E.) – PA & MD licensed civil engineer

Nonprofit Board Leadership – Comprehensive Training with Leadership Chester County and the United Way

LANGUAGES

Javascript / jQuery
Python
HTML / CSS / Bootstrap
SQL