

Gregory Ryan

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Objective

Integrate with a shrewd, creative, and motivated team of software engineers, and the departments they collaborate with. To perform at a high level while always taking the extra step towards self-improvement by learning new technologies, and by sharpening fundamentals and first principles.

Skills/Technologies

C#, Python, C, JavaScript, HTML, CSS, Lua, Java, SQL, Microsoft SQL Server, .NET core framework, Entity Framework, ORM, Flask, Löve2d, Unity, Postman API, Trello, UML, ERD, Wireframing, Repository Design, Factory Method Design, Dependency Injection, Observer Pattern, asynchronous programming, Unit Testing, TDD

Projects

AutonoFit

Overview: Generates a randomized, yet appropriate exercise routine based on the equipment owned by the user, their fitness goals, and their time constraints. Do a one time work out, or progress through a program.

Technologies: C#, ASP .NET core MVC, REST API

Features:

- Progresses reps and rest times until new exercise intensity is reached
- Integrates lifting and cardio workout components at appropriate volumes and frequencies
- Mimics clinical judgment of a specialist to prevent overtraining and injuries

Poolball

Overview: Sports/billiards video game adaptation. Win this fast-paced game by defending your pockets and by scoring on your opponent's to unlock unique balls sets.

Technologies: Lua, Löve 2d game engine, Aseprite

Features:

- AI computer player with behavior varying by difficulty mode
- 2-dimensional collision physics achieved with implementation of physics and trigonometry
- Original pixel artwork, animation and music production

Education

devCodeCamp

Full Stack Software Development Certificate

- Earned: *February 2021*
- 104% average on individual projects, attaining all possible bonus points
- 101% average overall, graduating top of the class
- Selected by instructors to lead class's group capstone
- Co-leader of extracurricular whiteboard sessions for current graduates

HarvardX

CS50's Introduction to Computer Science Certificate

- Earned: *October 2020*
- CS fundamentals
- Algorithms and data structures
- Completed Web and Game tracks
- Final project featured in HarvardX CS50 project gallery

SUNY at Buffalo

Doctor of Physical Therapy

- Earned: *May 2016*
- Musculoskeletal, Neuromuscular, Cardiopulmonary, Integumentary

Job Experience

Physical Therapist | Joint Ventures Physical Therapy November 2019 - October 2020

- Evaluating marathoners using slow motion analysis
- Rehabilitating amateur athletes
- Using treatment protocols, prediction rules, and diagnostic batteries established by scientific data
- Utilizing Electronic Medical Record for documentation while treating and evaluating patients

Therapy Team Leader | Patriot All Pro PT August 2017 - November 2019

- Managing 70-100 care plans at two separate locations
- Planning, scheduling, and teaching skills workshops to PT assistants and aids
- Interacting with culturally and linguistically diverse patient population

Physical Therapist | McAuley Residence July 2016 - August 2017

- Participating in interdisciplinary rounding meetings to establish discharge plans
- Distributing Durable Medical Equipment and training patients and family members in safe use.