

Darwin Baker

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DarwinBaker.com

I am a self-taught C# programmer with a passion for game development who has expanded their skills through higher education and real world experience. I have been programming for over 8 years, and always strive to write clean, efficient code that is easy to maintain. I am constantly looking for new things to learn, and pick up concepts quickly. My goal is always to put forth my best work, collaborate well with others, and continue improving as a developer.

SKILLS

- C#
- C++
- Java
- Python
- HTML and CSS
- PHP
- Object Oriented Design
- UWP and Winforms
- Virtual Machines
- Microsoft Visual Studio
- Microsoft Office
- Adobe Creative Suite
- Graphic Design
- 3D Modeling
- Windows Configuration
- Computer Hardware

EDUCATION

Associate Degree — C++, Washtenaw Community College

2019

Certification — Java, Washtenaw Community College

2016

EXPERIENCE & PROJECTS

Generative Adversarial Network — Python, Tensorflow

2019 - Current

Deep convolutional neural network capable of generating realistic images up to 1024^2 pixels based on training data. Implements progressive growing.

Timekeepers — PC Game, C# and .NET

2017 - Current

Puzzle-platformer with time travel mechanics. Custom game engine with SAT-based collision, nested game objects, and integrated editor.

Website Design — Issue Box Theatre Nonprofit

2019 - visit at issueboxtheatre.com

J-SpeedTrainer — Web and Desktop App

2018

Interactive JavaScript app that pulls from a database of over 200,000 *Jeopardy!* questions and answers for trivia practice.

Graphic Design Tutor — Adrian College

2016 - 2017

Taught Adobe Photoshop, Illustrator, and InDesign, exercising strong communication skills.

Software Developer — Swing Aware LLC, Ann Arbor

2013 - 2015

Designed and prototyped a smart device and programmed a companion app using C# to measure and record golf swing data.

SOME EXPERIENCE

- JavaScript
- Machine Learning
- ML Dataset Preparation
- GANs
- Unity 3D
- Unreal Engine 4
- Virtual Reality
- Test Driven Development
- SQL and Databases
- Linux
- HLSL and GLSL