

## EDUCATION

Bachelor's Degree in Computer Science

GPA: 3.91

University of Washington 2014-2016

Arizona State University 2016-2018

## Relevant Coursework

- Data Structures and Algorithms,
- Principles of Programming Languages
- Computer Systems Security
- Multimedia Information Systems
- Object-Oriented Programming and Data Structures

## SKILLS

Experienced: Java, JavaScript, HTML5, CSS, C, C++, GML, Git, Python, Pixel Art

Proficient: Video Editing, Photo Editing, PHP, XML, JSON, Unity (3D & VR), Maya, mySQL, Swift, Linux

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## WORK EXPERIENCE

### Game Dev Teaching Assistant

Jun 2018 – Jul 2018

- Educated 50+ middle and high school children on the essentials of game design/development
- Lectured on **Unity (C#)** and **Game Maker (GML)** design frameworks and features
- Taught usage and work pipeline of **Adobe Photoshop** and **Autodesk 3DS Max** for asset development

### GDMS Blockchain Security

Jan 2018 – Dec 2018

- Worked with General Dynamics on securing IoT Devices using Blockchain technology
- Interfaced standalone sensors with Raspberry Pi 3 using **Javascript** and **Python**
- Used modern blockchain libraries to send data collected by IoT Devices securely

### Freelance Web Dev

Sep 2015 – Current

- Worked on developing various websites and web applications using **HTML5**, **CSS**, **PHP**, and **JavaScript/jQuery**
- Practiced development and use of reusable components, alone and with various development teams
- Used several **RESTful APIs** from companies such as DarkSky and Riot Games

### Freelance Digital Artist

Apr 2009 – Current

- Worked as an artist for various web, game, and software development teams
- Developed key communication and teamwork skills, learning to overcome problems such as time differences and language barriers
- Lead artists in many companies, learning how to adapt to different, existing work environments

## PROJECT EXPERIENCE

### Dodge Doctor

Aug 2015

- A website made with **HTML5**, **CSS** and **JS** that uses Riot Games' **RESTful API** services for their game, League of Legends
- Uses player data to estimate the likelihood of victory the given teammates on their selected characters

### Hide or Die

Dec 2017

- A prototype reimaging of a role reversed FPS Pacman game made in **Unity3D** with **C#**
- Game features randomly generated mazes with a custom DFS pathfinding algorithm for the main enemy
- Assets made with **Maya**, **BFXR**, **Audacity** and **Photoshop**

### Hero 2 Zero

Jul 2017

- 2.5D beat'em up made in Game Maker with **GML** over 72 hours for the Ludum Dare 39 Game Jam with 2 others
- Won 73<sup>rd</sup> in Humor and 131<sup>st</sup> in Graphics out of 1361 entries
- Game has a dynamic combo system that worked in tandem with the 2.5D environment allow for multiple enemy juggles

### Kwest

May 2018

- A text-based RPG made using Apple's **XCode** and **Swift**
  - Features procedurally generated spells and segue based transitions between game states to utilize MVC architecture
  - Game allows use of camera to customize the players' avatar and uses the DarkSky API service to update game environment based on real-time weather reports
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## OTHER

- UW Dean's List (8 Quarters)
- ASU Ira A. Fulton Schools of Engineering Dean's List (4 Semesters)
- Co-author on "Development of a Prediction Model for Colorectal Cancer among Patients with Type 2 Diabetes Mellitus Using a Deep Neural Network" published on Journal of Clinical Medicine (2018 Sep 12;7(9). pii: E277. doi: 10.3390/jcm7090277)