

Darayavaus Grayson

Software Engineer



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github.com/dgrayson

SKILLS

C#

C++

C

Java

JavaScript

Python

HTML

CSS

PHP

Node.js

SQL

Linux

React

jQuery

Bootstrap

Git

WORK EXPERIENCE

Software Engineer

Mak Technologies

03/2020 - 12/2020

Achievements/Tasks

- Analyzed and documented software requirements issued by the customer.
- Drafted a software design to update a state repository written in C++
- Responsible for evaluating and debugging a C++ simulation demo for the customer.

Software Engineer I

The DiSTI Corporation

07/2019 - 01/2020

Achievements/Tasks

- Responsible for re-implementing legacy C++ code with C# in Unity
- Assisted in the implementation of UI elements for a Unity based VR project
- Developed a format to parse and display different hints between Desktop and VR modes

Software Engineer I

The DiSTI Corporation

01/2017 - 08/2018

Achievements/Tasks

- Coordinated with Engineers and 3D artists to develop Virtual Maintenance Trainer software.
- Wrote C# scripts in Unity to develop vehicle functionality for the maintenance trainer.
- Designed and developed a multiple choice test that parses XML test files.
- Implemented a state machine to control menus and sub-menus on a simulated computer screen.
- Managed project code using Plastic SCM version control software.

PERSONAL PROJECTS

Chip-8 Interpreter (C++)

- An interpreter that emulates the functionality of the Chip-8 Language
- Capable of running 23 games written with Chip-8
- Graphics are rendered using Simple Direct MediaLayer (SDL)

Daily Kanji (ReactJS / JavaScript)

- Displays a different Kanji character every day for the user to learn.
- Utilizes api provided by Kanjiapi.dev to pull JSON data.
- Front-end UI to display data implemented with ReactJS

React Journal (ReactJS / JavaScript)

- Web App that allows users to write journal entries and store them on a MySQL database
- Front-end UI to write and display entries implemented with ReactJS
- Back-end logic to send/receive data between client and server implemented with Node.js and Express.js

EDUCATION

BS Computer Science

University of Central Florida

01/2012 - 08/2016

AS Computer Science

Seminole State College

08/2009 - 12/2011