

Sergio Guerrero

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Education

University of Texas at Arlington

Arlington, Texas

B.S. Computer Science

August 2016- May 2020

M.S. Computer Science

Anticipated, May 2022

Technical Skills

Languages: C, C++, Python, Java, SQL, C#, Swift

Applications: Vim, XCode, MS Visual Studio, Eclipse

Operating Systems: Windows, Linux, Mac OS X

Database Applications: SQL Server, MySQL

Projects

PlyCompiler

September 2019-December 2019

- Wrote a simple compiler in Python using PLY (Python Lex-Yacc) that compiles .asl programs.
- Executes Lexical, Syntactical, and Semantic analysis to generate target code.

The Social Network (TSN)

September 2018-December 2018

- Group project for Fundamentals of Software engineering.
- TSN is a peer-to-peer social network application. Command line user interface using OpenSplice DDS.

App Data Mining

September 2019-December 2019

- Developed Data mining Web Application that included a search engine, Naïve Bayes Classifier, and Image captioning tool.
- Implemented in Python using Flask, TensorFlow, and NLTK.

Animal Shelter

February 2019-May 2019

- Created a website similar to Petfinder using HTML and CSS. Website uses PHP and MySQL server to update the database.

Vuzik Blade Glasses AR Application

August 2020-May 2020

- Created a Android Application for the Vuzik's Blade smart glasses.
- Implemented a Coin-counting featuring Using YOLOV3 that helps the user count coins by taking a picture of the coins and returns the number of coins and the sum of the coins.

Experience

QA Analyst Intern

June 2019-May 2020

Wingstop Restaurants Inc.

- Responsible for creating and executing test cases for developing KDS
- Regression testing, Functionality testing, User Acceptance testing
- Exposure to TFS, Visual Studio, Azure API, Command Center, .NET

Memberships

Maverick Chess Club Webmaster

August 2016-May 2018

Managed the UTA Chess Club website.

Maverick Chess Club President

August 2018- Present