Joshuan Jimenez

# Education

Florida International University (GPA: 3.64)

Graduated Spring 2021

Bachelor of Science in Computer Science

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Miami Dade College (GPA: 3.9)

Graduated May 2019

Associates of Arts Degree in Computer Science

# Projects

## DOOMed AI – SparkDev

* Worked with a team to create an AI that can play DOOM, the game
* Worked on the neural network in order for the AI to learn and adapt to the different scenarios
* Was done in Python using Tensorflow and Google Collab

## StockX Predictor – Python Application

* Worked on an application that makes predictions about price movements in the stock market
* Observed Tesla’s movements using LSTMs and Deep Neural Networks
* Uses Alpha Vantage api in order to pull latest info regarding a stock
* Uses Tensorflow, SKLearning, pandas, and matplotlib
* Written in Python on Jupyter notebook

## JTLEX – Java Application for Research

## Worked on a timeline extraction proposed by a PhD student at FIU

## Worked on parser to JSON files with annotations

## Developed adapter in order to convert JSON annotations into appropriate TimeML features

## Worked in group with Agile workflow using SVN, Eclipse for Java, and Trello

## Custom Motion Detection – Python App for Work

## Created an application for motion detection to record key moments of a press cycle.

## Camera records certain segments after detecting motion based on user inputs made on GUI (amount of time to record, delay timer)

## Designed interface using PySimpleGUI python library

## Used CV2 library to record and detect motion

# Skills

Git, Python, Java, Oracle SQL, C#, ASP. NET, HTML, CSS, Javascript, Anaconda, Algorithms & Data Structures, Natural Language Processing, Artificial Intelligence, Linux, Agile

# Experience

## SQL Developer – SIMTEC Silicone Parts LLC (April 2020 – Current)

* Develop websites that use data from an Oracle database in order to present the company’s data. Use ASP.NET framework, C# for backend, CSS, HTML, and JS
* Also developed code in Python for standalone projects such as customized motion detection

## Research Assistant – Florida International University (COGNAC Lab) (April 2020 – Current)

* Work on coding tasks provided by mentor regarding Natural Language Processing
* Review, research, and write academic papers regarding topics such as Semantic Role Labeling, Semantic Analysis, and Event Extraction
* Working on a written survey on Semantic Role Labeling systems
* Reimplementing an SRL system devised by professor

# Accomplishments

* Honors Member of Upsilon Pi Epsilon (UPE)
* Mentor at MentorFIU for Computer Science Students
* Attended as a Hacker To MakeHarvard

# Relevant Courses

* Natural Language Processing
* Data structures
* Programming I & II
* Artificial Intelligence
* Data Science Course Dataquest
* Database Management
* Machine Learning