

Jesus Romero

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Education

The University of Texas at Austin, Austin, TX
B.S., Computer Science, August 2018
GPA: 3.22

Coursework

iOS Mobile Computing	<i>Summer 2018</i>
Software Engineering	<i>Spring 2018</i>
Android Mobile Computing	
Computer Vision	
Algorithms & Complexity	<i>Fall 2017</i>
Compilers	
Programming for Correctness and Performance	
Programming Languages	<i>Spring 2017</i>
Data Management	<i>Fall 2016</i>
Operating Systems	<i>Spring 2016</i>
Computer Architecture	<i>Fall 2015</i>
Data Structures	<i>Spring 2015</i>
Discrete Mathematics	

Technical Skills

Programming Languages:

Proficient in Java, C
Competent in Python, HTML/CSS
Exposure to JavaScript, Android, Swift

Web Development:

Worked with Docker, React.js, REST, XML
Exposure to AWS EC2, Mocha, Selenium

Data Management:

Competent in SQL, UML Design
Worked with PostgreSQL, Firebase

Projects

pocketchef.me: *React, JavaScript, Python, Flask, PostgreSQL, Docker, AWS EC2, Mocha, Postman, Git*

A full stack web application hosted on an AWS EC2 instance and deployed within a Docker container. Presented visitors with restaurant information and recipe information fetched from pocketchef's Flask-Restless generated API with API requests. Front-End implemented the user interface with Reactstrap and supported pagination, filtering, and searching of the data.

Dex: *Java, Firebase, SQLite, XML*

An Android application, emulating a "Pokedex," which presents all Pokemon's information, fetched asynchronously from PokeAPI using threads and stored locally in a database. Users can filter the Pokemon database, login with validated credentials with the help of FirebaseAuth, and store custom teams in a Firebase Database instance and send those teams to other users.

Pintos: *C, Git*

A "pint-sized" operating system built upon a basic instructional x86 operating system that supports priority scheduling, argument passing on the stack, system calls for user programs, virtual memory, and a multi-level indexed file system.

Compiler: *C, Yacc, Lex*

A compiler for the Pascal language that generates assembly code with the use of a lexical analyzer that converts characters into tokens, a parser that analyzes Pascal statements with the use of a defined grammar and actions, and a code generator.

Activities and Organizations

The Hispanic Association of Computer Scientists

Aug. 2016 - May 2018

Participated in a Hispanic-led organization that hosts networking and social events, coding challenges, presentations by companies, and weekly meetings to support the Hispanic community.

Work Experience

Kasbah Hookah Lounge, Austin, Texas

May 2017 - Jul. 2018

Floor Manager

Distributed tasks amongst team members, managed schedules, and communicated with customers to provide efficient service at Austin's most-renowned hookah lounge.

Academy Sports and Outdoors, San Antonio, Texas

Jun. 2016 - Aug. 2016

Academy Sales Associate

Attended to store zones, provided customer service, and maintained a "mismatch" database while working with team members to accomplish daily/weekly tasks.