

# Justin Miranda

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## SUMMARY:

Computer Science Senior. Very strong background in object-oriented programming. Strong background in full stack development. Background in tutoring programming and math at the collegiate level. Talented in creating my own projects to gain industry experience. Highly skilled at communication and problem solving.

## SKILLS:

**Programming Languages:** C, C++, C#, Java 8, Python 3, JavaScript, HTML 5, SCSS, CSS, Pug

**Database:** MongoDB, Heroku, Adminer, PostgreSQL, MySQL

**IDEs:** Visual Studio Code, Visual Studio Community, Eclipse, Android Studio

**Frameworks:** Node JS, Express, Mongoose, Flask, SQL Alchemy ORM, Bootstrap

**Webserver:** Apache

**Operating Systems:** Windows, iOS, Ubuntu, CentOS, Android

**Project Management Software:** Github

## EXPERIENCE:

### Valencia College

Feb 2017-Present

#### C Tutor / Math Tutor

- Sole C programming tutor on Winter Park campus assisting students in best programming practices.
- Tutoring via Zoom which used to be face-to-face.
- Assist 1 to 7 students at a time understand arrays, basic algorithms and functions, memory, and pointers.
- Assist 1 to 10 students at a time in Developmental Math, Pre- Algebra, Intermediate Algebra, College Algebra, Calculus I, II, III, Differential Equations, Discrete Math, Statistics and College Math for Non-STEM Majors

### BookR8r.herokuapp.com

June 2020 to July 2020

#### Full Stack Developer

- Environment: Python, Flask, BootStrap, PostgreSQL, Adminer, Heroku, HTML, and CSS.
- Created and designed a book rating platform that takes APIs from goodreads.com for the ratings and reviews values and presents them for users to view.
- Users can register, login, logout, search books within the database, review books, and rate books.
- Implemented a python program that uploaded 5000 comma-separated books to the Heroku database.

### Rocket Pilot

May 2020 to June 2020

#### Game Developer

- Environment: Unity, VS Code, C#, Audacity
- Project involving a 2-D platformer rocket game that allows users to control its flight.
- Programmed the controls and level success/failure events.
- Created prefab objects for faster level creation.
- Wrote and recorded the music.

### Mango Greenhouse

January 2020 to April 2020

#### JavaScript Back End Development

- Environment: Node.js, JavaScript, VS Code, React, MongoDB, Express.js

- Involved in a group project developing a web and mobile application that would give users the temperature, humidity, and UV light indices for their personal greenhouse.
- Created the backend APIs in JavaScript for the web application that synched with a Particle iO board which posted information on current conditions to act as a greenhouse application.
- API development with async functions utilizing Express and MongoDB Management with Mongoose.

## EDUCATION

University of Central Florida – Orlando, FL

January 2018 to May 2021

Bachelor of Science Degree in Computer Science, Minor in Secure Computing And Networks (SCAN)

Relevant Courses

- Processes of Object-Oriented Software, Cyber Security, Cryptography, Comp Sci I & II, System Software, Discrete I & II, Java & C Programming and many more.

Valencia College – Orlando, FL

August 2017

Associate of Arts Degree in Computer Science

## REFERENCES

Pasha Utt

VP Java Developer Team Lead at Citi

[uttpasha@gmail.com](mailto:uttpasha@gmail.com)

Lisa Keeton

Valencia College Tutor Manager

[lkeeton@valenciacollege.edu](mailto:lkeeton@valenciacollege.edu)