Erick Pena

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Education

University of Central Florida Orlando, FL
Bachelor of Science in Computer Science Graduated Aug. 2020
GPA 3.8

Notable courses: Data structures and algorithms, Object Oriented Programming, Multicore Programming, Artificial Intelligence, Computer Graphics, Web Applications, Computer Architecture, Theory of Computation

Skills

- Programming: Java, JavaScript, C, Python
- Web Development: HTML, CSS, Express.js, React.js, Node.js
- OS: Mac, Windows, Linux
- Other Technologies: Spring Boot, Git, SQL, MongoDB, Three.js, Microsoft Office

Work History

XI Media Labs Orlando, FL
Software Developer Intern Jan 2020 – Aug 2020

- Collaborated to develop a digital wallet and currency for a mobile dating app called Flairr
- Assisted to create RESTful APIs in order to connect the mobile app and cryptocurrency network
- Participated with multiple developers in brainstorming future ideas and features for the mobile app

Self-Employed Orlando, FL
Computer Science and Math Tutor Jan 2019 – Mar 2020

- Worked closely with UCF students in one-to-one sessions to provide supplemental tutoring
- Created flexible lessons plans to accommodate students at different levels and improve effectiveness
- Tutored courses such as Data Structures and Algorithms, Intro to C programming, OOP, and Calculus

Projects

Character Keep:

- Develop a mobile application, as part of group project, to generate, collect, and save data from tabletop games such as Warhammer
- The mobile component worked alongside a website application to enhance user experience and allow more accessibility
- Develop in Java and SQL

Contacts Manager:

- Built a responsive website that allows users to store all of their contacts in an organize manner
- The application allows login, registration and CRUD (Create, Read, Update, Delete) operations
- Developed with MongoDB, Express.js, React.js, and Node.js

3D Cell Model:

- Built an interactive 3d web application that allows users to learn the anatomy of an animal cell
- Developed mainly in Three.js with the help of HTML, CSS, jQuery, and Vectary
- Live demo: https://cell-model-3d.herokuapp.com