Marc Diaz

(352)-281-4587 | marc.diaz@ufl.edu | www.linkedin.com/in/marc-diaz-19a9a4150 | github.com: marcgabe15 | portfolio: marcgsdiaz.com

EDUCATION

University of Florida, Herbert Wertheim College of Engineering   **May 2021**
Bachelor of Science in Computer Information Science and Engineering   GPA: 3.80

PROJECTS

GatorPal, DreamTeamU   **March 2019 - Present**
- Building a data visualization web app geared towards pediatric patients to record, analyze and recommend best types of therapy pre and post procedures
- Integrated using React and Redux for the Front End, NodeJS for the backend and using Google App Engine, Cloud Functions, Firestore, and Cloud Endpoints for infrastructure

Reach-Your-Goals, Personal Project   **June 2019**
- Built a blog for users to customize profile and upload posts about each other's pending goals
- Developed REST API using AWS API Gateway, Lambda, Node.JS and Claudia
- Utilized AWS S3 and CloudFront for hosting, MongoDB for the database, and Auth0 for authentication

PingCare, SwampHacks   **January 2019**
- Developed a progressive web app to let administrators and users ping locations on the map where maintenance requests need to be handled companies or institutions using Google Maps API
- Built REST API using Django for the backend, JavaScript, and the Google Maps API for front end all hosted on a DigitalOcean Server

Food.IO, Shell Hacks   **September 2018**
- Developed a native mobile app that classifies different types of food through scoring system and developed using React Native, Clarifai API, Yarn, and Expo as IOS client emulator

WORK EXPERIENCE

Infotech Inc.   **May 2019 – August 2019**
Software Developer Intern   Gainesville, FL
- Collaborated with a team of three software developer interns to create a file service web app as an aggregate for the existing ITI Products suite
- Underwent process of designing the architecture, being assigned features and undergoing development, testing features, attending daily scrum meetings to meet required deadlines, and used AWS CodePipeline for CI/CD
- Utilized Vue and Vuex for the front end, Node.JS for the back end, AWS for the infrastructure, Cypress and Jest for testing
- Responsible for implementing backend, connecting microservices with existing API, and creating a responsive UI

U.F Computer Science Department   **August 2019 - Present**
COP3502 Teaching Assistant   Gainesville, FL
- Responsible for leading lab and discussion sessions, holding office hours, and grading projects and exams
- Aid students by answering questions and cover important information related to projects and assignments related to programming fundamentals

University of Florida   **January 2019 - Present**
Web Developer   Gainesville, FL
- Communicate with clients from departments around UF for building and maintaining LAMP based web applications
- Implement user accessibility features and SEO to increase engagement with users and increase web performance
- Participate in weekly meetings with supervisors to discuss weekly progress on projects

LEADERSHIP & INVOLVEMENT

UF General Relief in Prosthetics (G.R.I.P)   **January 2018 - Present**
Project Manager   Gainesville, FL
- Oversee all multidisciplinary groups of students creating low-cost 3D-printed assistive devices for kids and teens with upper limb differences using 3D modeling software such as SolidWorks, MeshMixer, and Blender
- Hold design meetings and ensure teams meet required deadlines and due dates for prosthetics

RESEARCH

Graphics Imaging and Light Measurement Laboratory   **August 2018 - Aug 2019**
Undergraduate Researcher
- Partnered with the department of Oncology at UF Health to discover new leads on imaging and classification tools
- Investigating deep learning techniques for automatically detecting & classifying cells in high resolution slide scans
- Incorporated Weka as the machine learning software and MATLAB for data analysis

SKILLS

- Languages: Java (Proficient), JavaScript (Proficient) C++ (Intermediate), Python(Intermediate)
- Frameworks & Technologies: Vue, Vuex, React, Redux, AWS, Google Cloud Platform, React Native, Pandas, Numpy, Cypress and Jest