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

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 interfacing with the existing ITI Products suite
- Underwent process of designing the architecture, undergoing test-driven development (TDD), 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**
Programming Fundamentals 1 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 in Java

University of Florida **January 2019 - Present**
Web Developer Gainesville, FL

- Communicate with clients from departments in UF for building and maintaining AMP(Apache, MySQL, PHP) 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

PROJECTS

Care++, ShellHacks **September 2019**

- Won best Hardware Hack award for Matrix Labs using their development board
- Created a kit monitoring in home weather conditions and fall detection to alert health care providers and care takers of conditions
- Developed the front-end for the dashboard using React and Material-UI, backend using Express,Node.js and Socket.io all hosted on Google Cloud App Engine standard

GatorPal, DreamTeamU **March 2019 - Present**

- Building a analytic web app geared towards pediatric patients to analyze and recommend therapies pre and post procedures
- Participated under the Google Cloud case study program in higher education for integrating Google Cloud
- Integrated using React for the Front End, NodeJS for the backend and using Google Cloud for our 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

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

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

SKILLS

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