

# Marc Diaz

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## EDUCATION

**University of Florida**, Herbert Wertheim College of Engineering  
**Bachelor of Science in Computer Information Science and Engineering**

**May 2021**  
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 as an aggregate for 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**

#### *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 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

### **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
- Participating under the Google Cloud case study program in higher education for integrating Google Cloud
- 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

## 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, Redux, AWS, Google Cloud, React Native, Pandas, Numpy, Cypress and Jest