

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: 3.84

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, NodeJS 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, and 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 application as a microservice for the existing ITI Products suite
- Utilized Vue and Vuex for the frontend, NodeJS for the backend, and AWS for the infrastructure, Cypress for end to end testing and Jest for unit testing
- Responsible for developing Lambdas on the 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 the University of Florida for developing and deploying full stack applications
- Implement user accessibility features and SEO to increase engagement with users and increase web performance

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
- Incorporating traditional machine learning and deep learning methods to improve classification performance

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

