Tommy Carrascal

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EDUCATION

Florida International University — Miami, FL
Bachelor of Science in Computer Science; GPA: 3.40 — *Aug. 2016 – Dec. 2020*

EXPERIENCE

GoDaddy — Tempe, AZ
Software Engineer Intern — *May 2019 - August 2019*
- **Gasket**: Internal web framework built on NextJS. Developed features for the CLI, wrote a plugin for webpack metrics, and migrated an API to its own repo and setup the endpoints
- **RTFM**: Documentation site generator from GitHub markdown. Contributed to the design and implementation of data structures used to build the NextJS routing system.
- **Radar**: Internal recommendation system for product teams. Created an abstract syntax tree generator to generate JavaScript code from user input and implemented new components and bug fixes in React

Florida International University — Miami, Fl
Undergraduate Teaching Assistant — *January 2019 - present*
- **COP 3477 (Intermediate Java)**: Grade student assignments and exams

Boatrax — Miami, Fl
Software Engineer Intern — *May 2018 - August 2018*
- **Web**: Designed and implemented web components in React and created a geo-fencing tool with Google Maps API
- **API**: Designed database schemas with MySQL and wrote API functions in PHP to query the data
- **IoT**: Worked on an IoT platform in Node JS. Wrote functions to process and perform calculations on real-time data

SKILLS

- **Languages**: Java, JavaScript, TypeScript
- **Front End**: React, React-Native, SASS
- **Back End**: Node, Express, GraphQL, MongoDB, Socket.IO
- **DevOps**: Heroku, Digital Ocean, Mocha, Jest, Linux

PROJECTS

ShellHacks
Lead organizer for Florida's largest hackathon
- **Back end Platform**: Developed the API to handle the registrations, emailing services, and file uploads for the event. Built with Express, MongoDB, and deployed to Heroku
- **Admin Dashboard**: Created a React app for the organizers to handle acceptances, view registration statistics, and send notifications to the mobile app

GeoScheduler
Winner: 1st place, HatterHacks 2019
- **Geo-location**: A system to clock employees in and out based on their location to the company and shift schedule
- **API**: Created the API to register new employees, create shift schedules, and send location data through web sockets. Made with Express, MongoDB, and Socket.IO

LEADERSHIP

- **Upsilon Pi Epsilon - Program Director**: Leading a software development workshop program. Regularly attract over 50 attendees per workshop on average and manage a committee of student volunteers
- **ShellHacks - Organizer and ead backend developer** : Leading the organization of workshops for the hackathon. Led the backend development team to implement the API for the event