

Tommy Carrascal

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Education

Florida International University, Miami, FL

Expected: December 2020

Computer Science B.S

GPA: 3.40

- **Relevant Coursework:**

- Computational Geometry
- Data Structures
- Algorithm Techniques
- Database Management

Experience

GoDaddy, Tempe, AZ

Summer 2019

Software Engineer Intern

- Full-stack developer intern on the GoDaddy UX Platforms team using JavaScript, Node, Express, and React/NextJS
- Developed features for an internal web framework built on NextJS and Internal APIs built on Express
- Created build tools to improve developer workflow such as a webpack plugin to track bundle size metrics
- Worked in an agile setting, wrote unit tests, and followed code documentation and style standards

Florida International University, Miami, FL

Spring 2019-Present

Undergraduate Teaching Assistant

- Teaching assistant for Intermediate Java (COP 3337)
- Grade students assignments/exams and provide feedback and corrections on their code

Boatrax, Miami, FL

Summer 2018

Software Engineer Intern

- One of the 3 main developers in Miami-based startup
- Developed the IoT platform with Node JS/Node Red. Created scripts to handle continuous flow of data
- Developed the UI and functionality of the main web application with React JS
- Designed the database structure by creating appropriate tables and columns in MySQL
- Carried out scrum agile methodology with daily standups and weekly sprints

Projects

Flash.ai | Normalizes epileptic videos | Winner: Favorite Overall, SwampHacks 2019

Spring 2019

- Chrome extension/mobile app that uses a custom AI model to detect and reduce seizure inducing frames in videos
- Developed the chrome extension with JavaScript, and designed the UI with HTML and CSS
- Built with JavaScript, Express, Python, Flask, Tensorflow, and React-Native

League of Laughs | Web and mobile party game

Spring 2019

- Created a multiplayer party game allowing players to create custom memes and compete against each other
- Consists of a mobile app, web app and server. Used websockets to allow the different services to communicate
- Built with React/React-Native, Typescript, Express, and deployed to Heroku

ShellHacks Software | Backend platform and admin dashboard

Spring-Fall 2019

- Developed an API with user registration/login, file uploads, and emailing services used by over 2000 users
- Created a dashboard frontend to handle administrative tasks such as acceptances, statistics, and push notifications
- Built with Express, MongoDB, React, and deployed on DigitalOcean/Heroku

Skills

- Java, JavaScript/TypeScript, Python
- React, React-Native, SASS, Adobe XD
- Node, Express, GraphQL, MySQL, MongoDB, Socket.IO
- Mocha, Git, Linux, Heroku, DigitalOcean

Leadership

Upsilon Pi Epsilon | Executive-Board: Program Director

Fall 2018-Present

- Leading the software development workshop program for Upsilon Pi Epsilon
- Manage a committee of 6 student volunteers to carry out program events
- Workshops include web development, Git/Github, Data Science and more with 100 attendees on average

ShellHacks | Workshops lead | Lead Backend Developer

Summer 2018 - Present

- As lead workshops organizer I plan and coordinate the software, hardware, and IT workshops for the event
- Serving as the technical lead for the backend development team
- Assign tasks, review and merge pull requests, and implement core functionality for the platform

Awards

- **Bright Futures Florida Academic Scholar** **August 2016 - Present**