

Juan Orta

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EDUCATION

UNIVERSITY OF NORTH TEXAS | B.S. IN COMPUTER SCIENCE

December 2019 | Denton, TX

Dean's List: Fall 2018, Fall 2019

SKILLS

PROGRAMMING LANGUAGES

- C
- C++
- Java
- JavaScript
- SQL
- HTML / CSS

LIBRARIES & FRAMEWORKS

- Spring Boot
- React
- Node
- Material-UI

TOOLS & MICROSERVICES

- Amazon Web Services
- Google Cloud Platform
- Digital Ocean
- Git
- MySQL
- Docker

TECHNICAL PROJECTS

U.S. COVID-19 TESTING LOCATION FINDER | [USCOVIDTESTINGLOCATIONS.COM](https://uscovidthtestinglocations.com)

A tool to help find the nearest COVID-19 testing location near you. Search by city or use your current location to view a map and a list of testing locations sorted by distance.

- With Java and HtmlUnit, I web-scraped a public table on <https://www.goodrx.com/blog/drive-thru-coronavirus-testing-near-me> containing 330+ pages of data and stored it in an AWS RDS MySQL database.
- Built a search feature with React, Express, Node, that retrieves filtered data from 8,000 records.
- Utilized Google Places, Maps, and Geocoding API to display search results.
- Optimized search time by 5 seconds per-search by using server-side rendering as opposed to client-side rendering.

MY PET FAMILY | [MYPETFAMILY.IO](http://mypetfamily.io)

A pet manager dedicated to organize all of your pet records. Add/edit/delete multiple pets, appointments, food, weights, preventatives, medications, and veterinarians.

- Serialized only certain data fields from each object, which allowed me to create small RESTful API endpoints, and to ensure only necessary data was being passed to the front-end. This optimized the response time by 66%.
- Utilized React to fetch data from the Spring Boot back-end, and create the user-interface.
- Optimized load times by 90% by modularizing and lazy-loading React components.
- Packaged into a Docker container, which allows me to deploy to any environment, and deployed it to an AWS EC2 instance.

WORK EXPERIENCE

UNIVERSITY OF NORTH TEXAS: G-FORCE | TEAM LEAD

Aug 2019 – Dec 2019 | Denton, TX

- Managed and collaborated with a team of 12 tutors and 6 mentors to find the best tutor-student combination.
- Led meetings and presentations to ensure my team and I are on the same page.

UNIVERSITY OF NORTH TEXAS: FINANCIAL AID OFFICE | FRONT DESK CLERK

June 2019 – Aug 2019 | Denton, TX

- Met with 15 students a day and clarified any financial issues and misunderstandings through communication.
- Helped 5 students a day with filling out FAFSA applications.

UNIVERSITY OF NORTH TEXAS: G-FORCE | HIGH SCHOOL TUTOR

Jan 2019 – June 2019 | Denton, TX

- Met with 4 students a day, taught problem solving techniques, and increased the class pass rate by 10%.
- Assessed each student's learning style in order to find the best tutoring approach for each student.