

# GONZALO BETANCOURT

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## OBJECTIVE

Secure a long-term position where I will use web development tools or machine learning to assist in building applications. I gained experience from internships at NASA and Flow Cal Software.

## EDUCATION

**University of Houston - Clear Lake - Houston, Texas**  
**Bachelor of Science in Computer Science**

**Graduation: December 2020**

## WORK EXPERIENCE

**Pathways to STEM Careers, Houston, TX**      **Peer Educator**

**January 2019 - Present**

- Lead role in organizing an all-day event for 250+ students
- Tutor students in introductory and advanced programming
- Assist professors with instruction for computer science courses

**NASA JSC - Houston, TX**

**Research Intern - Developer**

**January 2020 – June 2020**

- Developed 2 Python modules to track the distance on a 3D object: used for machine learning
- According to my mentor my work was equivalent to master's level work

**Flow Cal by Quorum Software, Houston, TX**      **Total Quality Management Intern**

**June 2019 - September 2019**

- Designed a cost-benefit analysis report for a systems upgrade
- Ran smoke tests to track upgrade errors
- Implemented an automated test to verify crystal reports that reduced verification time by more than 65%

## PROJECTS/RESEARCH

**Sports Data: UHCL**

**Senior Project**

**August 2020 - Current**

- My proposal was 5 of the 30 presentations selected for senior project
- Developed all of the machine learning for NBA game and Draft Predictions
- Developed python modules for web scrapping to create custom datasets with pandas

**Weather Application**

**Developer**

**March 2020 – September 2020**

- Check the weather using city or zip code
- Dynamically updates website with data from weatherstack API
- Created front end with HTML, CSS and Handlebars
- Back end with Express.js, Node.js

**Web Development: Teto's Taqueria**

**Web Developer**

**January 2020 - August**

- Developing a responsive landing page for a restaurant in Everett Washington, Teto's Taqueria
- Developed header, menu with custom images, reviews and footer
- Utilized HTML, CSS, and Bootstrap

## RELEVANT COURSEWORK

- Machine Learning at UHCL
- Machine Learning Specialization at Coursera: Currently enrolled
- Computer Programming, I & II
- Calculus I, II, III
- Discrete Mathematics
- Data Structures and algorithms

## TECHNICAL/NON-TECHNICAL SKILLS

- Python, JavaScript, Java, Node.js, HTML, CSS, Bootstrap, Express.js
- Anaconda, Spyder, PyCharm, IntelliJ
- NumPy, Pandas, Matplotlib, Seaborn
- Git: <https://github.com/gonzalob24>
- Machine Learning Algorithms
- iOS, Linux, Windows 10
- Microsoft Word, Excel, PowerPoint
- Bilingual in English and Spanish

## ACTIVITIES/AWARDS

- Pathways to STEM Careers      Member      January 2019 - Present
- Houston Louis Alliance Stokes for Minority Participation (H-LSAMP)      Recipient      September 2019 - Present