

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
- Performed smoke tests to track upgrade errors
- Assisted in implementing an automated test that verified crystal reports to reduce verification time

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

<https://gonzalo-weather-app.herokuapp.com/>

- 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

<https://tetos-taqueria.herokuapp.com/>

- 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
- Calculus I, II, III
- Discrete Mathematics
- Data Structures and algorithms
- Programming I & II

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