John Henry Mejía

Student, Computer Scientist, Researcher

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johnhmejia.github.io

PROFESSIONAL EXPERIENCE

Wells Branch MUD, Austin, TX — *Lifeguard*   05/18 - Present
- Ensured safety of the pool area by enforcing rules and watching out for potential threats (Red Cross Certified)
- Taught swim lessons and became swim instructor of the year
- Maintained the pool area by ensuring that everything is clean, safe, and well equipped

Pflugerville Public Library, Pflugerville, TX — *Volunteer*   05/17 - 08/18
- Shelved and routed books
- Proactively looked for opportunities to help with organization
- Taught kids safe sewing techniques

Wells Branch Armada, Austin, TX — *Junior Swim Coach*   Summer '17 and '18
- Instructed kids how to swim the four strokes correctly
- Helped organize children at swim meets

Crosspointe Church, Austin, TX — *Sunday School Teacher*   01/19 - Present
- Taught preschool class monthly
- Part of Youth Group for 7 years

HONORS & ACTIVITIES

- **Mu Alpha Theta** [Math Honor Society] (March 2018 - Present) - President
- **Spanish Honor Society** (March 2017 - Present) - Vice-President
- **Chess Club** (Sept 2017 - Present) - 11th grade: Treasurer, 12th grade: President
- **Peer Academic Writing (PAW) Center** (2019-Present)- Tutor
- **Code2College** [Computer Science Organization] (2018 - Present) - Demo day presenter
- **National Honor Society** (Sept 2018 - Present)
- **Varsity Swimming** (2016 - Present) - Panther Award: Freshman year, Regional Qualifier: Freshman- Senior years.
- **AP Capstone Diploma** (2019)
- **Recipient of Lewis Family Scholarship**, WBA Swim Team (2019)
- **National AP Scholar** (2019)/ **AP Scholar with Distinction** (2018)
- **National Hispanic Scholar** (2019)

ACADEMIC PROJECTS

Code2College SELP website (2020)
- Developed a website with Scikit learn and Google Hand-tracking API to translate ASL letters to text
- Reached out to Texas School for the Deaf to identify possible applications of the software
    - http://johnhmejia.github.io/lettertranslate

AP Research Capstone project (2019)
- Examined college policies to determine correlations for how different colleges accept AP tests
- Organized findings into a comprehensive paper and showcased findings in a presentation

Code2College Capstone website (2019)
- Developed a website using HTML, CSS, and Javascript to showcase results from the AP Capstone project
    - https://johnhmejia.pythonanywhere.com

EDUCATION

Pflugerville High School, Pflugerville, TX

Expected Graduation Date: May 2020

Statistics

Class Rank - 3/451

Unweighted GPA -4.0

Weighted GPA - 4.867

Relevant Coursework
- AP Computer Science A
- AP Computer Science Principles
- Pre-AP Computer Science 2
- Code2College (2 years)
- An Introduction to Interactive Programming in Python (Coursera)

Test Scores

SAT EBRW: 740

SAT Math: 800

SAT 2 Math 2: 800

SAT 2 Chemistry: 730

AP Scores

Computer Science Principles, Research, Statistics, Computer Science A, English Lang. & Comp., Psychology - 5

Human Geography, World History, Physics 1, U.S. History- 4

INTERESTS

Technology, Swimming, Machine Learning, Teaching, Chess, Cats, Gaming, and Programming

LANGUAGES

Bilingual English and Spanish

COMPUTER SKILLS

Proficiency in Java, Python, MS Office, and HTML/CSS

Limited Proficiency in Javascript, and SQL