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Michaela Matocha

EDUCATION
TEXAS A&M UNIVERSITY | '22 | Bachelor of Science in Computer Science, Engineering Honors
GPA: 3.7/4.0 | Minors in Art and Game Design
COURSEWORK
- Spring 2019: Data Structures and Algorithms, Discrete Structures for Computing, Calculus 2
- Fall 2019: Computer Organization, Programming Languages, Calculus 3

SKILLS
- Languages: C++, Python, Java, Scheme, HTML, CSS, JavaScript
- Other: American Sign Language, Adobe Illustrator

EXPERIENCE
INTERFACE ECOLOGY LAB, TEXAS A&M – *UNDERGRAD RESEARCHER*   **MAR 2019 – SEPT 2019**
- Developed Live Mâché: a collaborative zoomable platform created to study interaction between users, currently used in 5 different classes' curriculum
- Debugged and implemented features using JavaScript, HTML and CSS
- Studied how different modes of displaying information assist in creative presentation

UNDERGRADUATE SUMMER RESEARCH   **MAY 2019 – AUG 2019**
- Collaborated with Dr. Frank Shipman investigating ownership of photos in different types of social media
- Composed, distributed, and coded surveys from over 400 participants, then performed statistical analysis on coded responses
- Differentiated between social norms of four sites displaying distinctions between each
- Culminated research in a paper and a poster presentation to over 75 people, earning a $5,000 scholarship

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PROJECTS
AGGIES INVENT, ENGINEERING MEDICINE – *APP DESIGNER, VIDEOGRAPHER*   **JULY 2019**
- Won 3rd place and $500 for the Hear&Now: a Bluetooth bone conductive hearing aid with settings for different situations
- Created an interface to fine tune hearing aids' settings and volume
- Produced, wrote, and recorded footage for a stop motion video using iMovie

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LEADERSHIP
SOCIETY OF WOMEN ENGINEERS   **AUG 2018 – PRESENT**
SWELITES CO-CHAIR (2019-2020)
- Manage seven counselors who help plan events and make connections with each SWElite
- Mentor and develop 50 SWElites through events each semester including service, fundraising, socials, and professional development
- Coordinate STEMFest: a daylong event involving 150 volunteers for 100 Girl Scouts
SWELITES FUNDRAISING COMMITTEE (2018-2019)
- Earned over $1500 for club through budgeting and executing fundraisers and profit shares
- Named SWElite of the Year out of fifty women in SWElites for outstanding achievements
ROUND ROCK HIGH SCHOOL ROBOTICS – *PRESIDENT*   **AUG 2015 – MAY 2018**
- Won 3rd place overall and 3rd place for engineering notebook in the SeaPerch Competition
- Organized outreach to local elementary and middle schools, participating in STEM fairs as well as direct mentoring to a First Lego League Team
- Recruited incoming freshman and those in engineering classes, growing membership by 100%