Tarik J. Brown II

College Station, TX, 77840 • (469) 684-9601 • tjamilbrownii@gmail.com

EDUCATION

Texas A&M University   **College Station, TX**
B.S. Geographic Information Science & Technology   **Received December 2020**

Relevant Coursework: GIS Programming
                          Remote Sensing in Geoscience
                          Data Analysis in Geography
                          GIS in Urban Planning
                          GNSS in the Geosciences
                          Web GIS
                          Advanced GIS Practicum

Activities: Undergraduate Data Analysis Research
                          Student Geography Society
                          Texas A&M University Center and Special Events
                          Diversity Leadership Mentor
                          Southwestern Black Student Leadership Conference Staff

EXPERIENCE

Texas A&M Undergraduate Research Projects   **College Station, TX**
Cellular aGPS and RTK 3D Mapping   *Feb 2019 – May 2019*

- Comparing the accuracy of the coordinate system of Real Time Kinematic GPS to that of aGPS found in the modern cell phone
- Using geolocation to observe which set of coordinates creates a more accurate 3D model using a Pix4D 3D map creator

Offshore Pipeline Routing   *Sep 2019 – Dec 2019*

- Researched and calculated the most acceptable locations to install an offshore oil pipe off the Gulf of Mexico
- Investigated economic implications of length, width, direction and location of pipeline route to determine the best and cheapest route
- Used raster data to improve decision making process of offshore pipeline route selection
- Adopted Least-Cost Path method by analyzing geospatial features, existing infrastructure, and construction constraints

Sustainability Model of the Atchafalaya Basin   *Feb 2020 – April 2020*

- Characterized the water and population systems using geographic information software to evaluate stability and develop management solutions to improve sustainability over a period of time
- Evaluated temporal sustainability paired with given forcing factors of climate change and urban growth

Texas A&M University Center and Special Events   **College Station, TX**
Student Help Services   *August 2017 – Present*

- Direct medium for student inquiries regarding the university and its processes

University Representative   *July 2019 – Present*

- Work closely with diverse personalities to provide a safe experience on campus, while being a face of the university

Event Coordination and Supervision   *August 2017 – Present*

- Facilitated student organization meetings, organizational conferences, and banquets as well as coordinated room locations and permission to use the facility

Texas A&M GEAR Lab   **College Station, TX**
GIST Researcher & Technician   *November 2020 – Present*

- Utilizing and innovating geospatial technology to study the coupled human-environmental systems, feedbacks, and interactions
- Manipulating GIS data to visualize the changes in flood exposure and examine natural disaster risk

SKILLS

Remote Sensing, Python, R, Digital Mapping, Cartographic Design, Satellite Imagery and Mapping, GeoJSON, HTML, JavaScript, Information Software, Linear Programming, Team Management, Public Speaking, Presentation