

Logan P. Brignac

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PROJECTS

The B.O.S.S — *Biomechanical Orthotic Servo System*

The BOSS is a biomechanical prosthetic arm that combines computer science with basic fabrication. It uses an onboard display to select a gesture with the help of a raspberry PI and arduino to retrieve the data required to move the motors to mimic the selected gesture. The other part of this project utilized a software that was downloadable so that you could design your own gestures for your day to day life. Once created you could save it to a USB drive and plug it into the BOSS once powered on the BOSS would detect the drive copy and write the data to its internal storage and the gesture would be usable. This group project was led by me to win first place overall in Louisiana Tech University's Freshman Design Expo, living with cyber competition.

Portfolio Website — *Personal Information Website*

My own personal website which houses information about me. Specific information such as my contact info, linkedin, and about me page. Other information includes my skills, a list of my projects and my resume. All of this was done using the React framework utilizing HTML, CSS and Javascript XML.

EDUCATION

Louisiana Tech University, Ruston LA — *Computer Science*

September 2024 - Expected May 2028

Sophomore at Louisiana Tech pursuing a degree in Computer Science with concentrations in cloud computing and big data, cyber security, graphics and game design. Current GPA is 3.5

Lutcher High School, Lutcher LA— *High School Diploma*

August 2020 - May 2024

Summa cum laude graduate with a 4.06 GPA.

RELEVANT SKILLS

Communicative, Attentive

Programming Languages:
Java, Python, some HTML & CSS.

IDES: IntelliJ, Microsoft VS Code.

Source Control: Git.

Frameworks: React

AWARDS

1st Place, Best Overall Award for
Living with Cyber/Freshman
Design Expo

Next 25
Manufacturing/Pre-Engineering
University Pathway Award
Scholarship.

LANGUAGES

English

EXPERIENCE

St James Parish Department of Recreation, Gramercy LA— *Fitness Attendant*

MAY 2023 - AUGUST 2024

Accessed a customer database and edited information to allow customers to access the building via key FOB. Closed and Opened the building when needed. Greeted and interacted with members upon entering and if help was needed.

Simply Sweet Snowballs and Ice Cream LLC, Gramercy LA— *General Assistant*

MARCH 2021 - AUGUST 2024

Produced blocks of ice required for making shaved ice making sure there is enough for the next day. Delivered supplies to make sure inventory is well stocked. Assisted with minor maintenance.

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REFERENCES

St James Parish Department of Recreation

Victoria Cantillo 225-226-8289

Simply Sweet Snowballs and Ice Cream LLC

Paula Roussel 225-206-5555