

# Brittany M. Bergeron

Software Engineer

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## SKILLS & CERTIFICATIONS

**Languages:** C, C++, C#, Java, JavaScript, Python, HTML, Lisp, x86 Assembly (MASM), SQL  
**Software:** Visual Studios, Arduino, MATLAB, GitHub, Google Collab, Unity, MS Office (Word, Excel, PowerPoint, Drive, Teams, Outlook)  
**Certifications:** Python with a focus in Machine Learning (ITExperience)

## EDUCATION

**University of Houston – Downtown**, Houston, TX

August 2021

*Bachelor of Science in Computer Science*

**GPA:** 3.9

**Honors:** Member of The National Society of Leadership and Success Honors

**Awards:** Recipient of multiple Dean's List awards and Tolmas Scholar Research Opportunity

**Organization:** ACM - University of New Orleans Women's Chapter

**Courses:** Systems Programming, Data Structures, Algorithms, Internet of Things, Computer Network Architecture, Software Development, Security, Operating System, Software Engineering, Robotics

## PROJECTS

**Personal Weather Station**, Houston, TX

*Developer/Designer – University of Houston-Downtown*

- Built electrical network of sensors and programmed embedded weather station product in C++ with Arduino IDE that includes user interface and tests water level, temperature, humidity, gas, and light levels

**Diabetes Database**, Houston, TX

*Data Cleaning/UI Developer – ITExperience*

- Collaborated with a team of 3 to design a user interface for clients to track useful statistics relating to diabetes data with Python's Pandas and Seaborn

**Unix Shell Job Handler**, New Orleans, LA

*Programmer – University of New Orleans*

- Programmed a functioning Unix shell using C that accepts and handles job requests with process control and signal handling

## EXPERIENCE

**University of New Orleans**, New Orleans, LA

September 2018 - December 2019

*Research Assistant*

- Developed C# Unity game mechanics, AI decision processes, user interface, testing, logic flow diagrams, and prototypes on Agile Development Scrum team earning praise from management for excellent communication.
- Hand-selected by research faculty for strong academic profile, demonstrated work ethic, teamwork, and problem-solving skills to participate in research and present results at InnovateUNO research symposium.

**University of New Orleans**, New Orleans, LA

July 2019

*Code and Cyber Security Camp Instructor*

- Introduced Cyber Security/Digital Forensics to young minorities in STEM and instructed students to create two Phaser3 games each
- Taught JavaScript, HTML, web servers, and digital forensics tools [Autopsy 4, JPEGSnoop, MagnetAxiom, Tiled, Piskel, Sublime]
- Successfully debugged all code with team to a fully functioning state