

EDUCATION

Computer Engineering | University of Texas Rio Grande Valley

January 2018 – May 2021 (Expected)

- GPA: 4.0
- **Relevant Coursework:** Computer Science I, II, and III, Algorithms and Data Structures, Digital Systems I and II, Software Engineering I and II, Computer Organization & Assembly Language, Networks, Operating Systems

WORK HISTORY

INTERN | Visa Inc.

May 2020 – August 2020

- Led a team of six interns in the development of a web and mobile suite that simplified the donation process for Visa card holders.
- Mobile Front-End was built using the Flutter toolkit.
- Backend calls were made using a Django wrapper for the Visa Alias and Visa Connect APIs

RESEARCH ASSISTANT | College of Engineering & Computer Science

September 2019 – February 2020

- Responsible for the design and implementation of an Arduino compatible flight controller for drones.
- Automatic stabilization and wind compensation for the drones was developed using an array of gyroscopes and accelerometers in conjunction with the MultiWii open source library.

RESEARCH ASSISTANT | College of Engineering & Computer Science

September 2018 – May 2019

- Developed a GUI application within Python using the PyQt5 library and respective GUI framework.
- The application could read pre-recorded electrocorticography sets and graph individual channels selected by the user.
- Noise in recorded data sets was also detected and filtered out using the NumPy Python library.

AFFILIATIONS

President | Institute of Electrical and Electronic Engineers (IEEE)

April 2018 – April 2019

- Managed organization officers, fundraising, and event registration/coordination.

Team Captain | IEEE - Robotics Team

September 2019 – Present

- Oversaw team responsibilities including robot design/fabrication and machine learning implementation using TensorFlow and Raspberry Pi.

President | The Association for Computing Machinery - Women

December 2019 – May 2020

- Re-Registered organization, held elections, and scheduled officer meetings.

GAGE BENHAM

Personal Info

Address

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Phone

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E-mail

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GitHub

<https://github.com/GB1999>

Website

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Software

PyCharm
Jupyter Lab
Visual Studio
Android Studio
Flutter
SolidWorks
Blender
Adobe Illustrator
Adobe Photoshop

Languages

C++
Python
Java
Ruby
HTML5
Dart

Interests

Image Processing
Machine Learning
GUI Design
App Development