

## 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 - Present*

- 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