

## Education

**The University of Texas at Arlington | Arlington, Texas**  
Bachelor of Science in Computer Science, Honor's

**GPA:** 3.47/4.0  
**Anticipated Graduation:** December 2020

## Technical Skills

**Languages:** Python, C, C++, JAVA, HTML, CSS, JavaScript, PHP  
**Database Management:** MySQL, PostgreSQL, MS Access, MongoDB, Firebase  
**Environments/Frameworks:** Linux/Unix, Django, Flask  
**Familiar with:** Agile Development, Git Version Control, Android Development, Full Stack Development, Cloud Concepts, Software Testing, Secure Programming

## Work Experience

- Undergraduate Research Assistant | IT Lab | UT Arlington |** **May 2020 – Present**
- Developing a COVID-19 visualization dashboard using Tableau to create graphs and Django framework.
  - Researched various frameworks such as Django, Flask, Vaadin, and Spring to initially propose a framework to begin designing a dashboard to fetch data from the lab server databases for visualization.
- Resident Assistant | Apartment & Residence Life | UT Arlington |** **Aug 2018 – May 2020**
- Led a community of over 600 residents by formulating various strategies and organizing various events to encourage diversity and inclusiveness while engaging the residents in various community activities.
  - Resolved the issues and concerns of the residents by using strong problem-solving skills. Proposed and successfully implemented a change in the “on-call” policy to create a more efficient work system in 2019.

## Projects

### **Visualization Dashboard (Django, Python) -*work project***

- Creating visualizations to efficiently display a composition-based algorithm in form of graphs that can facilitate flexible analysis of multilayer networks independent of the given data set.
- Assisting over 7 PhD students to design a query system to fetch graph queries using APIs.

### **PHD\_STUDENTS (PHP, MySQL, Heroku) - *class project***

- Designed multiple ER diagrams to develop a sophisticated and structured database to store information about Phd students and professors with given restrictions and rules.
- Developed a webpage using PHP to fetch queries from the database by hosting the server on Heroku.

### **Connect4 Game (Python) - *class project***

- Developed an improvised version of Connect 4 which incorporated human-computer interaction.
- Implemented an AI using Alpha-Beta pruning algorithm to challenge the user such that user never wins.

### **Battle Arena (LibGDX, Android Programming, Android Studio, Java, SQLite3) – *class project***

- Designed and developed a 2D action game using LibGDX, and Android programming by implementing the principles of Object-Oriented programming in JAVA.
- Implemented an AI to mimic enemy behavior using A-star search to achieve the best goal state from start state.

## Honors and Awards

Maverick Academic Scholarship	2017-present
Honors College	2017-present
4x Intramural Soccer Champion (Captain)	2017-present