College Work Experience

Computer Science Department – University of Texas at El Paso (UTEP)  
Teaching Assistant (TA) – 08/15/2019 – 05/20/2020

* TA – Elementary Data Structures. Conducted lab sessions for the course twice every week. Topics include: computer algorithms (searching and sorting); recursion; data structures (linked lists, stacks, queues and trees; and elementary algorithm analysis.
* Grading, feedback, identify at risk students, hosted office hours, maintained grade records and more.

Personal Project – Zoo Animal Care System – 03/01/2020 – 04/15/2020

* Extended a web-based zoo management platform for zoo employees and customers. Expanded the data being tracked to include feeding schedules. Modified the database to support this new data, and wrote code to store and retrieve this information to and from database as well as to display it to users and allow them to manipulate it through an online interface. \*\*\*Tech include Java, Servlets, JSPs, JDBC, SQL, HTML and CSS.

Project Based Experience – Research and Development overseen by UTEP Faculty Dr. Yoonsik Cheon.  
Individual Studies course – 08/15/2019 – 12/12/2019

* Development of a non-trivial mobile application based on Android (MoQuiz\*) into Flutter; Flutter is an open-source framework to develop mobile apps for both Android and iOS with a single code base.
* Programming language: Dart – Framework: Flutter by Google

\*MoQuiz: academic app designed for students to take quizzes, keep track of their grades, download lecture notes, etc. and it is currently used by 100 to 150 UTEP students (app developed by Dr. Cheon).