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| ­EXPERIENCE |  |
| **BUSINESS ANALYST** | UC Riverside, Business & Financial Services   * Built multiple websites, as the main developer, using Drupal 8’s Site Builder privileges * Facilitated meetings with multiple unit-supervisors in creating a vision for their website * Deduced project breakdown by analyzing deliverables by “weight” and priority | 2018 - 19 |
| **ADMINISTRATIVE IT ADMIN** | UC Riverside, Academic Personnel Office   * Implemented a more aesthetic and strategic website design in Drupal 8 for faculty to easily locate resources * Managed information on department websites through OUCampus CMS using HTML/CSS keeping in mind the restrictions set by the software and university policies * Provided technical and labor-intensive support to improve workflow within the department * Trained and supervised student to fulfill departmental responsibilities * Collaborated on creating a system in MS Excel to scan and validate confidential document for over 800+ professors | 2018 - 19 |
| PROJECTS |  |
| **Drupal Migration Project – Business & Financial Services**   * Built three (3) websites and six (6) sub-websites using Drupal 8’s Site Builder privileges * Initiated meetings with multiple unit-supervisors in identifying the website’s goals * Implemented website under the restriction of the software privileges and university policies | 2018 - 19 |
| **Drupal Migration Project – Academic Personnel Office**   * Collaborated with the Principal Analyst and the Technology & Data Analyst to create a department website that would provide necessary faculty resources * Designed and implemented website prototypes using wireframe and Drupal 8 content-management framework * Presented functional prototype to team weekly explaining the current experience of the website and milestones that encountered | 2018 |
| **Airport System Database**   * Implemented airport system that altered database to display information based on user input * Prompted users with options to manipulate via Java code * Triggered queries created in PostgreSQL, via Java code, and grabs data from tables | 2017 |
| **Hangman Network**   * Implemented hangman game allowing multiple machines to communicate concurrently via (mininet) network * Created players to exist in the game class via Python | 2017 |
| **R-Shell**   * Developed a wrapped system call console application which users can pipeline multiple commands through an emulated shell terminal * Implemented multiple design patterns utilizing OOP in C++ allowing ease in future build-upons and reusability of the code * Managed a group progress, using agile methodology (i.e. Scrum), to ensure a functional code weekly * Created bash scripts so that could streamline different test cases for correctness of the code | 2016 |
| “**A Dog For All Four Season” Embedded System Game**   * Developed an embedded system program in C simulating the virtual game “A Dog For All Four Season” into a physical video game using different hardware components (i.e. keyboard control, LCD display) * Implemented multiple finite state machines into the Atmega1284 microcontroller to control the interaction between different hardware component allowing the player to interact with the game and communication to Arduino via USART to display the game screen | 2016 |
| **Jugs Puzzle**   * Developed a console application in C++ to find if it is possible to get a desired measurement of water using two jugs with amounts different from the desired amount * Implemented graphs to map relationship of the different consequences/states of the individual jugs based on different actions taken (i.e. pour jug A into B, fill water in jug B etc.) to get the desired amount and display the steps (if a solution is found) | 2016 |
| RELATED COURSES & SKILLS |  |
| **INTEREST** Photography, Videography, Dance, Bouldering  **TECHNOLOGIES** C/C++, Java, Javascript, HTML & CSS, PostgreSQL, Python **SOFTWARE & TOOLS** Android Studio, Arduino, Bash, Firebase, Git, Github, Vim  **GRAPHIC SOFTWARE** Adobe Illustrator, Lightroom, Photoshop, Premiere Pro, Adobe XD  **OTHER TOOLS** Agile Method, Drupal, OmniUpdateCampus (OUCampus), Sharepoint, Trello, WordPress  **NON-PROGRAMMING LANGUAGES** English, Vietnamese |  |
| EDUCATION |  |
| **University of California, Riverside** B.S. Computer Science | 2014-18 |