ARTURO GALVAN-ALARCON

San Francisco, CA 94118 ▪ agalvanalarcon@dons.usfca.edu ▪ 909-996-0112
linkedin.com/in/r2o-lelionbear ▪ github.com/lelionbear

Education

University of San Francisco, *San Francisco, CA*   **Expected: May 2021**

B.S. in Computer Science, Major GPA: 3.57/4.00

Projects

Kruskal's Algorithm, *San Francisco, CA*   **December 2018**
- Developed a program that can find the Minimum Spanning Tree of a given graph using Kruskal's algorithm
- Combined and implemented a Disjoint Set to establish the sets for the least weighted pathways to all vertices

Hashtables, *San Francisco, CA*   **December 2018**
- Designed a Hashtable to store a list of all words from the word dictionary on a Linux operating system
- Created the program to store strings in the array while implementing separate chaining as the storing method

Hybrid Sorting Algorithm, *San Francisco, CA*   **October 2018**
- Constructed an algorithm in java to sort an array of 50K numbers with an average runtime of 30ms
- Strategically used recursion and bubble sort to find sets of ordered numbers to later perform a merge sort resulting in a sorted array

Technical Skills & Abilities

- **Programming Languages**: Python (Proficient), Java (Proficient), C (Intermediate)
- **Scripting**: Windows PowerShell, Linux
- **Tools**: IntelliJ IDEA, PyCharm, Sublime Text Editor, Git(hub) repositories, GBD

Work Experience

USFCA CS Department, *San Francisco, CA*

Teacher Assistant for Intro to CS II   **January 2018 – Present**
- Input grade coursework from a class of 25 students by analyzing and running submitted Java code
- Tutor students needing additional help with projects or labs during office hours

Teacher Assistant for CS Mobile Apps and Web Development   **January 2018 – May 2018**
- Assisted 30 students throughout lectures with labs using MIT's App Inventor creating functioning Mobile Apps
- Provided tutoring hours for students needing additional help with projects or labs

Other Experience

USF'S SUSTAINABILITY HACKATHON, *San Francisco, CA*   **October 2018**
- Led a group of 4 in presenting a solution dealing with cigarette butt disposal on campus
- Incorporated crypto currency to motivate student involvement within the solution

TAPIA CONFERENCE, *Orlando, FL*   **September 2018**
- One of 5 USF students selected to attend a diversity conference to meet and network with people in tech
- Networked with 50+ companies and attended multiple career sessions such as resume and leadership workshops

TWITTER'S #EARLYBIRD PROGRAM, *San Francisco, CA*   **May 2018**
- One of 30 attendees selected out of 1200+ applicants to attend a one-week interactive program
- Lead team of 5 in creating and presenting in Twitter's #Earlybird hackathon and won the #ShipIt award

Extra-Curricular Activities & Interests

- **USF Hackers Club**, *San Francisco, CA*   **Fall 2018 – Present**
  Co-Vice President
- **USF Data Science**, *San Francisco, CA*   **Fall 2018 – Present**
  Member
- **USF Diversineers**, *San Francisco, CA*   **Fall 2018 – Present**
  Member
- **USF Women in Technology**, *San Francisco, CA*   **Fall 2017 – Present**
  Member