TREVOR NGUYEN

INFORMATION

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EDUCATION

Davis, CA   **University of California, Davis**   **Sept, 2013 – June, 2018**
- **B.S.** in **Computer Science** with a double major in **Japanese**, June 2018
- Coursework: Algorithms; Computational Linguistics; Computer Architecture; Data Structures; Operating Systems; Programming Languages; Probability Theory.

EMPLOYMENT

Audio Technician   **University of California, Davis**   **May, 2017 - June, 2018**
- Produced and managed audio for the 16th and 17th annual Student Day at the Walter A. Buehler Alumni Center, which hosted up to 200 visitors.
- Designed and monitored an eye-catching PowerPoint presentation in order to facilitate the flow of the event.
- Led and collaborated effectively with a team of 20 members to organize the event. As well as led and gave instructions to 50 students for the preparation of skit performances.

TECHNICAL EXPERIENCE

Projects
- **Suffix Tree** – **C++**
    - Modified and refined a 3rd party Ukkonen's algorithm code and implemented Dan Gusfield's suffix tree of circular string linearization applications and suffix arrays.
    - Utilized Google Test C++ library to design an automation testing program that helped find errors/bugs, which resulted in a 40% increase in performance and correctness after refinement of DFS function.

- **Semaphores** – **C**
    - Developed a program that replicates a semaphores API and is used to control access to common resources within a multi-threaded process.
    - By utilizing the program, a thread private storage is allowed protection of data from being overwritten by other threads.

- **Salesforce Automation Script** – **Java, Selenium Webdriver, TestNG**
    - Implemented an automation script that creates and saves a Call Report using Selenium WebDriver.
    - Developed a framework with TestNG to rigorously test the automated script to ensure it was working as intended.

LANGUAGE AND TECHNOLOGY

- Proficient with Object Oriented Programming Languages such as C and C++
- Familiar with Java, Selenium, and Version Control System(Git)
- Development environment – Windows and Linux
- Tools – Visual Studio, IntelliJ, and Cloud9 IDE on Amazon Web Service
- Foreign Language – Conversational Japanese

LEAVE OF ABSENCE

Caregiver For Grandmother   **June, 2018 – Sept, 2019**
- Provided constant care for grandmother with dementia, including management of medication and assistance with daily-living activities.