Jason Songvilay

San Diego, CA | (619) 541-0545 | jason.songvilay@gmail.com | jsongvilay.netlify.app

EDUCATION

Bachelor of Science in Computer Science   Anticipated Graduation: May 2021
San Diego State University, San Diego, CA   Overall GPA: 3.37
- **Relevant Coursework**: Data Structures, Computer Architecture, Programming Languages, Assembly Language, UNIX Administration

EXPERIENCE

Mathly Development Team Intern   August 2020 – Present
Mathly   **San Diego, CA**
- Design and implement intuitive homework assistant UI using React, JSX, and external CSS styles
- Collaborate and evolve user experience through Agile Development via Microsoft Teams and GitHub

Webmaster   April 2018 – May 2019
San Diego State University, Asian Pacific Student Alliance   **San Diego, CA**
- Developed website and content daily using HTML, CSS, and JavaScript for mobile and desktop devices
- Monitored analytical data from social media platforms and website to determine outreach effectiveness

PROJECTS

Dictionary ADT   April 2020 – May 2020
Java   **San Diego State University**
- Constructed using Hashtable, binary search tree, and red-black tree data structures
- Initialized to accept generic objects and dynamically increase structure size
- Conducted empirical timing tests to ensure efficient runtime complexity of methods

Priority Queues   January 2020 – March 2020
Java   **San Diego State University**
- Implemented with array, linked list, and binary min-heap data structures
- Initialized to accept generic objects and modify structure to maintain FIFO order
- Created and transferred program files to external server using UNIX commands

Campus App   December 2019 – January 2020
SwiftUI   **San Diego, CA**
- Developed iOS application to display pinpoint map of common SDSU locations
- Simulated and tested application within XCode IDE and on Apple devices
- Designed to automatically respond and scale to various device screen sizes

SKILLS & CERTIFICATIONS

- Amazon Web Services Cloud Practitioner Certification (in progress)
- Years of experience: Java (3+), HTML/CSS (3+), Python (2), JavaScript (2), React (1), C/C++ (1), SwiftUI (1)
- Extensive time in Visual Studio Code, GitHub, Terminal, UNIX Systems, XCode, VIM

AWARDS & LEADERSHIP

- College of Sciences Dean's List (Spring 2020)
- Asian Pacific Student Alliance Executive Board Member of the Year (2018-2019)
- Diligent, adaptive, and professional towards teams and tasks