Jason Songvilay

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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 (1), SwiftUI (1)
- Extensive time in VSCode, Eclipse, VIM, XCode, GitHub, VMWare Fusion, and Terminal

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