

Jason Songvilay

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EDUCATION

Bachelor of Science in Computer Science

San Diego State University, San Diego, CA

Anticipated Graduation: May 2021

Overall GPA: 3.29

- **Relevant Coursework:** Data Structures, Computer Architecture, Programming Languages, Assembly Language, Social, Legal, and Ethical Issues in Computing

EXPERIENCE

Cashiers Student Assistant

San Diego State University, World Campus

August 2018 – Present

San Diego, CA

- Process and review payments using CASHNet, Elavon Converge, SIMS, and Jenzabar software
- Balance daily monetary transactions by cash, credit card, check, and wire transfer through mail and fax

Webmaster

San Diego State University, Asian Pacific Student Alliance

April 2018 – May 2019

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

Java

April 2020 – May 2020

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

Java

January 2020 – March 2020

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

SwiftUI

December 2019 – January 2020

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)
- Proficiency in Java, JavaScript, Python, C, HTML, and SwiftUI languages
- Extensive time in VSCode, Eclipse, VIM, XCode, GitHub, 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