

JESSIE MOK | COMPUTER SCIENCE

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EDUCATION

California Polytechnic State
University, San Luis Obispo

Bachelor of Science in
Computer Science, Winter 2021
(Junior)

RELEVANT COURSEWORK

CSC 365: Computer Databases

CSC 357: Systems Programming

CSC 349: Computer Algorithms

CSC 202: Data Structures

CSC 203: Object-Oriented
Programming

CSC 430: Programming Languages

CPE 315: Computer Architecture

EE 322: Embedded Systems

Technical Writing

Communications

PROGRAMMING LANGUAGES

Java: Proficient

Python: Proficient

C: Proficient

MySQL: Proficient

Racket: Proficient

Assembly: Familiar

TOOLS

Github

Unix

Jupyter

SageMaker

PyTorch

IntelliJ

Mockito

TestNG

JMock

Figma

Android Studio

Firebase

OBJECTIVE

To obtain a position that will challenge me but also allow me to innovate and grow exponentially

WORK EXPERIENCE

AMAZON - A2Z DEVELOPMENT CENTER | Junior Software Developer

June 2019 - Present

- Develops both front and back end portions of the Kindle book publishing platforms through the use of Fusion (based in **Racket**), **Java**, **TestNG**, **JMock**, and **Mockito**
- Apply knowledge of system **architecture** and patterns to refactor existing legacy code in a large code base, allowing the team to move off dependent product calls
- Demonstrate scope and influence in the team through **code reviews** and advising others in areas of expertise
- Add **machine learning** infrastructure to existing architecture and use computer vision to supply crucial metadata using **PyTorch** and Amazon **SageMaker**
- Communicates with other (non-technical) teams to better understand customer needs and lead to an improved user experience

CAL POLY COMPUTER SCIENCE DEPT | Information Technology Associate

Apr 2019 - July 2019

- Responsible for the operation, maintenance, and storage of over 400 workstations and server equipment to support over 600 end-users.
- Assists faculty and staff in day-to-day workstation and network operations.
- Documents help desk tickets/resolutions and maintained equipment inventory and surplus lists.

PERSONAL PROJECTS

WELBI - CAMP POLYHACKS | JAVA, XML

- Created an app that crowd-sourced recipes and reviews of those recipes in order to personalize each user's experience based on their body type, dietary restrictions, and fitness goals
- Used **Android Studio** to develop the app and **Firebase** to store user data, recipes, reviews, and other backend data

DATA STRUCTURE PROJECT | PYTHON

- Recreated a stack, queue, doubly linked list, binary search tree, heap, and other **data structures** that did not exist in **Python**

C SHELL | C

- Recreated a basic Unix shell using pipes
- Supports most command line arguments

INVOLVEMENT

CAL POLY ROBOTICS CLUB | Mech Warfare (Software) Team Member

Jan 2018 - June 2018

- Worked with a team to build a fully functioning robot that qualifies for competition
- Implemented the robot's movement in a non-standardized way
- Problem-solved and brainstormed ways to improve robot features
- Self-motivated work in assisting with writing the robot's software (in **OpenCM**)

KOREAN AMERICAN STUDENT ASSOCIATION | Event Coordinator Chair

June 2018 - Present

- Effectively serve as the liaison between the executive board and club members in one of the largest cultural clubs on campus
- Plan and organize the logistics of family events