

# VICTOR KING VANG

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## EDUCATION

### San Diego State University

Sept 2017 – May 2021

- **Major:** Computer Science, Bachelor of Science
- **Relevant Coursework:** Data Structures, Operating Systems, Software Engineering, Algorithms, Wireless Networks, Database Theory Implementation

## WORK EXPERIENCE

### Software Developer Intern - Evolve

Jan 2022 - Present

- Collaborating with a team of software developers to build a mobile app that matchmake startups with passionate job seekers
- Refactored website codebase to ensure cross-browser compatibility and mobile responsiveness
- Participate in weekly QA sessions to identify bugs found in app

### Analyst/Programmer Assistant - SDSU Enrollment Services

Feb 2019 – Dec 2020

- Revised 300+ existing SQL reports according to client specification to ensure precision in user data.
- Collaborated with various departments to create over 200 custom application reports that captured specific student data based on criteria that was provided.
- Migrated the entire Oracle APEX database (ver. 4.2) to an updated version (ver. 19.2). Recreated 200+ incompatible reports that were configured to fit with the newest APEX template.

### Student Technician - SDSU Library Computing Hub Help Desk

Aug 2018 – Feb 2019

- Troubleshoot technical problems students had (Blackboard, SDSUID, Wi-Fi, software).
- Maintained a comfortable and safe environment for students by keeping all workstations in pristine condition.
- Managed 300+ windows/mac computers, 40 study rooms, and 10 commercial printers across all 5 floors of the Love Library.

## PROJECTS

### DevSearch - Django, PostgreSQL

- Social media website where software developers connect with each other from around the world to share personal projects, rate each other's work, search developers/projects, and message each other.

### Sorting Algorithm Visualizer - Python

- Created a sorting visualizer to illustrate how various sorting algorithms work using pygame. Implemented algorithms include bubble sort, insertion sort, selection sort, quicksort, merge sort.

### Ice Cream Inventory Management System - Django, MySQL, Bootstrap

- Worked in a team of 6 to create a website-based inventory management system that supports the following business functional areas: order entry, inventory management, shipment tracking, and issue ticket management.

### Package Theft Detector – Python, Raspberry Pi 3, Ultrasonic Range Sensor

- Designed a package drop box that detects unwanted theft if a package is taken before setting the system off with a numeric passcode. The owner is alerted through a text message if the passcode entered is wrong.

## TECHNICAL SKILLS

- **Programming Languages** - Python, C, Java, HTML, CSS, JavaScript, SQL
- **Libraries & Frameworks** - Django, Django REST Framework, Bootstrap
- **Tools & Platforms** - GitHub, PyCharm, Visual Studio Code