

# 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

### Database Developer Student Assistant - SDSU Enrollment Services

Feb 2019 – Dec 2020

- Formatted reports to look clean and presentable by utilizing HTML.
- Revised 300+ existing SQL reports according to client specification to ensure precision in user data.
- Utilized ServiceNow to optimize workflow by tracking and completing request tickets in a timely manner.
- 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.
- Installed campus licensed software for students on their personal laptops with SDSUID verification (Adobe Creative Cloud, Google G Suite, Office 365, etc.).

## PROJECTS

### DevSearch

- Django, Python, 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.
- Notable features include user registration/authentication, search functionality, profile customization, commenting and rating system

### Ice Cream Inventory Management System

- Python, Django, MySQL, Bootstrap
- Created a website-based inventory management system that supports the following business functional areas: order entry, inventory management, shipment tracking, and issue ticket management.
- Worked in a team of 6 to compose a project deliverable detailing methodology, team schedule, requirements summary, architecture, testing plan, and prototype.

### 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

- Python; C; HTML; CSS; JavaScript; SQL; Django; Bootstrap; GitHub; Oracle APEX; PyCharm; VS Code