VISALBOTR CHAN

🏠 San Luis Obispo, 93405 CA   ✉ chanvisalbotr@gmail.com   📞 323 999-8503   **Website:** visalbotr.engineer

Objective: Seeking a full-time position as a **Software Engineer** in March 2020.

Education

California Polytechnic State University, San Luis Obispo   Graduation: **March 2020**(Expected)

Bachelor of Science in *Computer Engineering*, Overall GPA: 3.71/4.00

Pasadena City College   June 2017

Associate of Art and Science in *Math, Physics, and Engineering* Graduated with Summa Cum Laude

Relevant Coursework: Object-Oriented Programming · Design and Analysis of Algorithms · Data Structures
System Programming · Dynamic Web Programming · Responsive Web Design
Microcontroller-Based Systems Design · Computer Architecture · Operating System

Programming Stacks: Python · C · JavaScript · Java · C++ · HTML · CSS · SQL · Assembly Language

Technologies: Linux · Git · Vim · Flask · VS Code · PyCharm · Intellij · iMovie

Work and Research Experience

College of Computer Science, Cal Poly San Luis Obispo   Jan 2019 - Present

System Administration Assistant

· Responsible for the operation and maintenance of 400 workstations and servers to support over 600 end-users

· Design, troubleshoot, document and deploy new technologies such as GlusterFS, Apache Ambari, Amazon AWS
  EC2 and scripts to upgrade lab infrastructure for improved reliability and user experience

College of Electrical Engineering, Cal Poly San Luis Obispo   Summer 2019

Web and Embedded System Researcher (Advisor: Tina Smilkstein)

· Developed a health sensor device that has a reusable web-app and micro-controller system and a swappable sensor

· Built from React components and used CSS Flexbox, and Bootstrap for styling to fit different device screens

· Integrated WebUsb API for reading data from USB and used JSON file for calibrating the app

Robotics and Web Development Projects

Amazon AWS RoboMaker(ROS)   Sep 2019 - Present

· Partner with AWS educate to create a self-driving robot guide for classrooms, conferences, and office buildings

· Demonstrate the capabilities of RoboMaker, such as machine learning and regression testing

· Contribute code, prototypes, and simulations to open-source communities for educational purpose

Book Review Database   June 2019 - Sep 2019

· Implemented PostgreSQL database which hosted on Heroku to store encrypted password, ratings, reviews

· Communicated with Goodreads API, a book review website, to get details of more than 5000 books

· Hosted on Flask framework that has API Access via http://localhost/[isbn_number]

Club Involvement and Activities

Cal Poly Computer Science For Social Good - *Web Programmer and Designer*   April 2019 - Present

· Design a webpage to help homeless people and donors in San Luis Obispo to find and share resources such as
food, shelter, and hygiene products

· Use Figma, a wireframe application, and React to create components of the website

Third Place in SLO Hack - *Android Programmer and Tester*   Spring 2018

· Built an emergency help services app with 6 other members on 3 platforms: iOS, Android, and Website to help to
rescue people in California during a forest fire

· Parsed information from a firebase database to Android application and tested the reliability of the 3 apps