

# Kylene Landenberger

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## EDUCATION

CALIFORNIA POLYTECHNIC UNIVERSITY – SAN LUIS OBISPO  
COMPUTER SCIENCE, B.S.

Graduation: June 2022  
Cumulative GPA: 3.81

## HIGHLIGHTED COURSEWORK AND SKILLS

- \* SOFTWARE ENGINEERING CAPSTONE
- \* OBJECT-ORIENTED PROGRAMMING: JAVA, C++
- \* JAVASCRIPT, REACT, NODEJS
- \* PYTHON
- \* SYSTEMS PROGRAMMING (C PROGRAMMING)
- \* DISTRIBUTED SYSTEMS
- \* DATABASE SYSTEMS
- \* DATA STRUCTURES & ALGORITHMS

## TECHNICAL PROJECTS AND COURSES

- \* **VOLUNTEER MANAGEMENT AND EVENT PLANNING SOFTWARE – SENIOR PROJECT** Current  
Innovating the world's perception of community service by creating an immersive SaaS event planning software for finding volunteer opportunities, break the social norm and heighten the awareness for community involvement while providing seamless data analytics to the merchant-side for business use. Tech lead for this ongoing senior project in Cal Poly's CIE (Center for Innovation and Entrepreneurship).
- \* **TRAUMA SHEET AND PATIENT CARE HIERARCHY LOG – SOFTWARE CAPSTONE PROJECT** Current  
Implementing critical features to the existing fEMR medical technology to assist physicians that are providing care in trauma settings. Such as altering the current MySQL constraints for initial data needed, patient storage information, and interfacing a 'trauma sheet' for physicians to draw and record data. Also, transforming that data to a hierarchy of care needs, assisting the intake nurse with quick patient distribution. Featured technologies: Java, MySQL, PlayFramework, Scala, Docker, Git, JIRA
- \* **GOOGLE CALENDAR TASK ASSISTANT** Current  
Developing an interactive weekly schedule building tool that assists users with personal administrative planning difficulty (targeted to assist individuals with ADHD and/or Autism) break down their tasks in a simple, non-distracting web environment. Once satisfied with the plan, 'Publish' will make the necessary API calls to their Google Calendar to update their event plans and MongoDB database. Featured technologies: React, NodeJS, JavaScript
- \* **'GEOMUSIC' – iOS APP FOR DISCOVERING MUSIC VIA LOCATION AND GENRE.** Spring 2021  
Developed an iOS app, 'Geomusic,' utilizing React Native, Expo, MongoDB, Spotify API, and Google Maps API. My role was critical in ideation, curating the secure login flow incorporating OAuth 2.0 and Spotify Premium confirmation, database organization, location services, and focus on User Spotify information.
- \* **LZW COMPRESSION PROJECT (C PROGRAMMING)** Winter 2021
- \* **C SHELL REPLICATION PROJECT (C PROGRAMMING)** Winter 2021
- \* **ECOMMERCE, MARKETING, AND ADVERTISEMENT CAMPAIGN STRATEGIES** Ongoing

## EXPERIENCE

- \* **PRODUCT DEVELOPMENT INTERN – Horizon Remote Experience R&D, VMware** 06/2021 – 09/2021  
Developed a cross-platform application and Chrome extension to intercept call data from Microsoft Teams on the Horizon Client VDI, producing real-time call data for both our developers and call-center to use when debugging failed connections.
- \* **HVAC COMMISSIONING INTERN – BMA Mechanical +** 09/2019 – 01/2020  
Created new documentation based on ASHRAE Codes and Standards to ease communication between engineering roles, contractors, and company principals.
- \* **ENGINEERING DESIGN DRAFTER – Entegris, Inc.** 06/2019 – 09/2019  
Assisted senior engineers and technicians by analyzing, editing, and reviewing large assemblies and products being manufactured on both SolidWorks and AutoCAD.

## LEADERSHIP AND ACCOLADES

- \* CAL POLY WISH (WOMEN IN SOFTWARE AND HARDWARE), MEMBER Current
- \* CAL POLY UX CLUB, MEMBER Current
- \* CAL POLY WHITE HAT, CYBERSECURITY AND HACKING CLUB, MEMBER Current
- \* PHI THETA KAPPA HONOR SOCIETY ALL-USA ACADEMIC TEAM, AWARD
- \* COCA COLA'S NEW CENTURY PATHWAY SCHOLAR, AWARD
- \* PHI THETA KAPPA HONOR SOCIETY BETA MU ZETA CHAPTER PRESIDENT

**RECRUITER NOTE:** My previous coursework and work experience has been in the mechanical engineering field. I altered my path because of my passion for programming and computers.