

Vance Winstead

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Education

California Polytechnic State University, San Luis Obispo

Expected Graduation: Spring 2022

Bachelor of Science in **Software Engineering**

Second Year

GPA: **4.0**

Dual Enrollment Courses Taken at Palomar College and MiraCosta College

Relevant Coursework:

+ Technical Writing

+ Systems Programming

+ Linear Algebra

+ Data Structures

+ Calculus I-IV

+ Statistical Methods

+ Discrete Structures

Computer Skills

Languages: Python, C, Java, MySQL, HTML, CSS, C#

Software: GitHub, Git, Unix Shell, Vim, PyCharm, Unity, RStudio Cloud

Projects

Word Count | **C, Vim, Unix Shell** | Cal Poly SLO

April 2020

- + Built command line tool that tells the user the number of characters, words, and lines in a file or user input
- + Handles incorrect input without crashing

Applications of Biomimicry to Water Management | Cal Poly SLO

March 2020

- + Collaborated with four students to write twenty-eight-page research paper
- + Acted as group scheduler, scribe, and editor
- + Received a 4.75 out of 5 in peer evaluations

Syllabus to Calendar | **Python, GitHub** | SLO Hacks

March 2020

- + Developed backend for website that extracts dates from a PDF with team of four at a hackathon
- + Utilized regex to parse text and json to communicate data with frontend

Match 3 Game | **Java, Swing** | MiraCosta College

December 2018

- + Designed a game exclusively in Java that utilizes a Swing GUI, custom exceptions, recursion, enumerations, and OOP

Phantasmic Mind | **C#, Unity, GitHub** | San Marcos High School

Fall 2017

- + Contributed to the development of a 2D role playing game in a team of 20 students with Video Game Design Club
- + Acted as primary software developer for fall semester prototype

Campus Involvement

Cal Poly User Design Club | **Member** | Cal Poly SLO

Fall 2019 - Present

- + Develop a mockup for dated school app in a 15-student team
- + Learn card sorting, user flows, wireframes and other UX principles

Mustang Band | **Tenor Sax** | Cal Poly SLO

Fall 2019 - Present

- + Enriched community by performing at over ten sporting events, parades, and concerts

Tutoring | **Tutor** | San Marcos High School

August 2018 - June 2019

- + Assisted six students and saw grade improvements in each one
- + Taught computer science, algebra II, and saxophone performance