

Sofija Dimitrijevic

dimitrij@calpoly.edu | (650) 215-8712 [linkedin.com/in/sofija-dimitrijevic-903920255](https://www.linkedin.com/in/sofija-dimitrijevic-903920255)

<https://github.com/sofijadimitrijevic1>

EDUCATION

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, SAN LUIS OBISPO

September 2022 - June 2026

B.S. Computer Science, College of Engineering, GPA: 3.73

- Relevant Courses (through Fall 2023): Data Structures, Object-Oriented Programming in Java, Introduction to Computer Organization, Linear Algebra, Discrete Structures, Systems Programming
- Languages: Python, Java, C, HTML, CSS
- Tools: GIT, Figma

PROFESSIONAL EXPERIENCE

SMARTNEWS - 291 ALMA ST, PALO ALTO, CA

June 2020 - August 2020

SOFTWARE ENGINEER INTERN

- Collected training data and researched/presented various applications of the BERT deep learning model to develop a pipeline AI news summarization project.
- Worked under mentorship of Edward Y. Chang (Adjunct Professor, Stanford CS Department)

PROJECTS

AUTOMATING SPOTIFY DISCOVER WEEKLY PLAYLIST

Summer 2023

- Followed Sysnation YouTube tutorial on integrating Spotify OAuth into a Python project and automate saving a user's Discover Weekly playlist using the Spotify API. Also created HTML and CSS files for a login page.

OBJECT-ORIENTED PROGRAMMING IN JAVA CLASS

Winter 2023

- **Forest Simulator:** Refactored a Java forest simulator, adhering to Object-Oriented design principles. Eliminated duplication and enhanced maintainability. Integrated additional interactive features and incorporated A* pathfinding algorithm, going beyond the basic requirements of the project.

DATA STRUCTURES CLASS

Fall 2022

- **Huffman Encoding:** Created a lossless file compressor that serializes and deserializes files using a Huffman tree based on character frequency. Implemented in Python.

LEADERSHIP & CAMPUS INVOLVEMENT

WOMEN INVOLVED IN SOFTWARE AND HARDWARE

September 2022 - Present

TECH OFFICER

September 2023 - Present

- Planning technical events throughout the year, such as workshops, group projects, hackathons, 3D printer events
- Helping come up with technical and resume-building events that would benefit our members
- Advertising different hackathons and other hands-on tech workshops and events

AI For Search And Rescue Student Researcher

September 2023 - Present

- Working as part of probabilistic model team, under Professor Franz Kurfess at Cal Poly, to help develop artificial intelligence and related computational methods in support of Search and Rescue missions.

COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE CLUB MEMBER

September 2022 - Present

- Attending meetings to learn more about AI tools and how to use them as a software developer.