# Sid Meka

smeka@calpoly.edu | 650-924-6974 | https://www.linkedin.com/in/sidmeka

---

## EDUCATION | CALIFORNIA POLYTECHNIC STATE UNIVERSITY - SAN LUIS OBISPO

B.S - Computer Science, Concentration in Artificial Intelligence and Machine Learning, Minor in Statistics          Exp Grad: June 2026
- Major GPA: **3.7**
- Relevant Coursework: Data Structures, Object-Oriented Programming, Discrete Structures, Calculus, Linear Analysis, Physics, Computer Organization, Design & Analysis of Algorithms, Computer Security, Artificial Intelligence, Systems Programming, Knowledge Based Systems, Database Systems, Theory of Computation, Computer Security

---

## SKILLS

**Programming Languages:** Python, Java, HTML/CSS, Assembly, C Programming Language, Prolog, SQL
**Software Skills:** Bubble.io, API Integration, Excel, Photoshop, Adobe, Unix, Terminal, VIM, JMP

---

## PROFESSIONAL EXPERIENCE

**SHOPVOX**                                                                                                                July 2023 - September 2023
SOFTWARE ENGINEERING INTERN
- Developed existing HTML and CSS to fix **100+** web-based issues prompted from the marketing department for a polished UI
- Collaborated with team members to implement and improve data management features to enhance UX
- Utilized Statamic and TailwindCSS to organize pages and manage codebase overseeing company's marketing

**TESSOLVE**                                                                                                                    June 2021 - August 2021
SOFTWARE ENGINEERING INTERN
- Assembled Python script to filter inventory of **10,000+** unique computer chips by a specific criteria
- Enhanced ability to collect certain sets of data of computer chips and technological devices to export into Excel
- Received mentorship from full-time Software Engineer for tasks relating to front-end and back-end integration

**CAL POLY - ITS - CLIENT SERVICES**                                                                         November 2023 - Present
STUDENT ASSISTANT
- Assisted in resolving **1,000+** service tickets regarding university-wide technical issues
- Troubleshooted **1,000+** electronic products including hard drives, software, mobile apps, and os systems
- Facilitated supportive and efficient customer service to aid students and facility respectively

**SIGMA PHI DELTA**                                                                                                   September 2023 - Present
PROFESSIONAL EVENT PLANNER
- Organized **15+** philanthropy experiences and fundraising events generating large non-profit revenue
- Collaborated with **5+** businesses to execute inclusive fundraising events utilizing organized mixed team structure
- Oversaw **10+** professional and campus-friendly events including resume building, LinkedIn workshops, and mock interviews

---

## PROJECTS

**CSC 480 - ARTIFICIAL INTELLIGENCE | OCTORDLE PUZZLE SOLVER**                      January 2024 - March 2024
PROJECT MEMBER
- Developed a dual-algorithm Octordle solver that achieves a **97%** success rate through precise statistical modeling and data pruning
- Implemented an Information Algorithm alongside a Guesser Algorithm, enhancing performance using 20,000 words as a domain
- Refined algorithmic efficiency, utilizing general data pruning principles to streamline guess computation and improve responses

**SIGMA PHI DELTA | CHESS AI PROJECT**                                                              April 2023 - June 2023
SOFTWARE DEVELOPER
- Assisted with software development of chess AI using Python to implement alpha beta pruning and create neural networks
- Integrated software with working 3-axis gantry system machine promoting effective collaboration
- Utilized algorithmic stepping and pruning into implementation to minimize data usage and maximize efficiency

**EMPOWER AND EXCEL | BLOOD BANK**                                                               June 2021 - August 2021
WEB PROGRAMMER
- Designed a web-application to store data of blood donors and recipients for enhanced intercommunication
- Created foundation for application for organization to build upon for future advancements
- Optimized third-party APIs to enhance user experience (SMS and Excel API)

**MyEverythingApp**                                                                                               June 2024 - Present
WEB PROGRAMMER

- Designed a web-application to store data of blood donors and recipients for enhanced intercommunication
- Created foundation for application for organization to build upon for future advancements
- Optimized third-party APIs to enhance user experience (SMS and Excel API)