

## EDUCATION

San Luis Obispo, Ca	California Polytechnic State University	Sept 2021 - June 2023
<ul style="list-style-type: none"><li>• <b>Major:</b> Software Engineering B.S.E (in-major GPA 3.6)</li><li>• <b>Coursework:</b> Analysis of Algorithms, Data Structures, Intro to Cybersecurity, Software and Wireless Security, Intro to Database Systems, Software Engineering I &amp; II, Software Construction, Deployment, Individual Software Design and Development, Programming Languages, User Interface and Design</li></ul>		

## TECHNICAL EXPERIENCE

Programmer/Designer	Vetama WebApp	Sept 2022 - June 2023
<p><b>Vetama:</b> (<a href="http://www.vetama.com">www.vetama.com</a>): Mobile veterinary services</p> <ul style="list-style-type: none"><li>• Interacted with a team to design how the web application would be structured</li><li>• Familiar with some AWS services: S3, Lambda,</li><li>• Contributed in creating the schemas for the database. Includes: vans, patients, clients, inventory, etc.</li><li>• Using React, pages were converted into components for the application.</li><li>• Refactored to lessen the amount of tech debt and help code readability</li><li>• Learned to use a Jira board for issues, bugs, and tasks</li><li>• Created cypress tests for the web application</li><li>• <u>Utilized:</u> JavaScript, React, Amplify, Lambda, Cloudfront, SQL, Cypress, Git, Figma, Jira</li></ul>		
Programmer/Designer	Shport	Jan 2022 - May 2022
<p><b>Shport:</b> (<a href="http://www.shport.app">www.shport.app</a>): Sport information site</p> <ul style="list-style-type: none"><li>• Worked with team using React for frontend, Express for the backend, and MongoDB for the database</li><li>• Involved in the usage of NewsAPI for getting sports news, sports APIs, and scraping scripts for sports information</li><li>• United different sources of sports information into reusable classes</li><li>• Added password encryption for database</li><li>• Implemented tests. Includes cypress tests for the front end, Jest for the backend, and endpoint testing</li><li>• <u>Utilized:</u> JavaScript, React, MongoDB, NodeJs, Axios, Jest, Cypress, Cheerio, Heroku, Git, GitHub Actions</li></ul> <p><b>Languages:</b> (proficient): C, Python, Javascript, Git, Java, HTML/CSS (familiar): Go, Swift, Rust, C++, SQL</p>		

## SOFTWARE PROJECTS

Programmer/Designer	Python Password Manager	Oct 2023 - Oct 2023
<ul style="list-style-type: none"><li>• <u>Repo:</u> <a href="https://github.com/HRen369/simple-projects/tree/main/python/password-manager">https://github.com/HRen369/simple-projects/tree/main/python/password-manager</a></li><li>• Designed and implemented a simple password manager in Python</li><li>• Currently can: view logins, add a login, and delete logins</li><li>• Each option is password protected and user data is fully encrypted with AES-CBC 256.</li><li>• Uses environmental variables to keep the master password secure</li><li>• <u>Utilized:</u> Python, pycryptodome, argon2-cffi</li></ul>		
Programmer/Designer	Python Tic Tac Toe	Oct 2023 - Nov 2023
<ul style="list-style-type: none"><li>• <u>Repo:</u> <a href="https://github.com/HRen369/simple-projects/tree/main/python/tic-tac-toe">https://github.com/HRen369/simple-projects/tree/main/python/tic-tac-toe</a></li><li>• Designed and created a tic-tac-toe terminal game in Python</li><li>• Players can play against an AI, or other people</li><li>• Originally, used the <b>input()</b> function but has been refactored with pynput library</li><li>• With the pynput library, players can press keys to move the cursor</li><li>• <u>Utilized:</u> Python, pynput</li></ul>		
Participated in Open Source	Code Day (PyTorch)	Jan 2022 - Feb 2022
<ul style="list-style-type: none"><li>• <a href="https://www.codeday.org/">https://www.codeday.org/</a></li><li>• Small internship that mainly involved learning about open source and how to contribute</li><li>• Had us interact with the repository by cloning it, getting it working and being assigned an issue, had to open a pull request for issue and how to read through extensive documentation to find the issue and replicate it</li><li>• <u>Utilized:</u> Python, PyTorch, GitHub, Git</li></ul>		