Shelby Gallegos

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EDUCATION

California State University, Northridge (CSUN) — Northridge, CA
B.S. Computer Science — August 2022 – Present
- Coursework: Algorithm Analysis and Design, Software engineering, Web Development Programming, Operating Systems, Computer Architecture
- Achieved Deans list from August 2022 - December 2023
- GPA: 3.98

Antelope Valley Community College (AVC) — Lancaster, CA
A.S. Computer Science — January 2020 – May 2022
- Coursework: Data Structures and Algorithms, Discrete Structures, Assembly Language
- Achieved Presidents list from January 2020 - May 2022
- GPA: 3.8

EXPERIENCE

AVC STEM Workshop — Lancaster, CA
Project Co-Leader — May 2022 – August 2022
- Partnered with fellow Antelope Valley College honor students to create a hardware electronics workshop for the school with over 30 participants
- Successfully developed and presented a design model that gained funding from the school using engineering practices
- Lead workshops instructing students on how to build and program hardware electronics in the form of a Macro-pad keyboard
- Effectively managed and instructed participants on how to solder, program (C) and flash a USB micro-controller with QMK firmware

QUALIFICATIONS AND TECHNICAL SKILLS

- Experience working with teams (**Pair Programming**) and software project development(**Scrum**)
- Proficient with data structures and algorithm design applied towards problem solving
- Programming Languages: **Java, Python, Javascript, HTML, CSS, C, Racket**
- Program Development tools: **Visual Studio Code, Visual Studio, Eclipse, DrRacket, and Atom**
- Source Code Management tools: **Git, Github, Docker, and Netlify**

PROJECTS

ASL Translator — Python3, Jupyter, HTML, CSS, Javascript ES6
Project Manager — Aug 2023 - Present
- Working with fellow CSUN Computer Science Senior students in creating a web-based ASL Translating application
- Utilizing **Jupyter lab** and **Jupyter Notebooks** for easy visualization and manipulation of data
- Using python libraries (**OpenCV, Mediapipe**) to collect camera data using googles hand landmark detection
- Developing a web interface using Flask to allow for web-based sign language translation

QuickClip: Peer-to-Peer data sharing — Python, Javascript, HTML5, CSS, Docker
Project Co-Leader — February 2022 - Present
- Partnered with fellow CSUN students in developing a web based Peer-to-peer data transfer application
- Use of an Agile development method (**SCRUM**) for rapid application development along with tools such as Jira, **Git**, and **Github** for collaboration and version control
- Developed an interactive and cohesive frontend for a web application using **HTML CSS and Javascript**
- Developed modular and efficient code for the backend (**Python**) for user authentication and data encryption combined with the **Flask** web framework

Easy Breezy: Web Weather Application — Javascript ES6, HTML5, CSS
Project Owner — June 2022 - Present
- Developed a web based weather application to display weather data and deployed using Netlify
- Implemented a weather API (**OpenWeatherMap**) to retrieve weather information
- Used asynchronous functions to handle API calls in the form of Promises

Add To List — Javascript ES6, HTML5, CSS, Firebase
Project Owner — July 2022 - Present
- Developed a mobile website application that stores user entered data to a list and deployed using Netlify
- Integrated a database for storing, deleting and manipulating user entered input(**Firebase**)
- Implemented an undo feature using a websites local storage to store temporary data