

Alexandra Hernandez

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UC San Diego undergraduate majoring in Cognitive Sciences and minoring in Computer Sciences. Specializing in machine learning, programming, APIs, algorithm development, data analysis, frontend and backend development, software development, and application testing.

EXPERIENCE

UC San Diego Extended Studies

Computer Science and Engineering Python Tutor

Helping students at the UC San Diego Extended Studies program learn Python and Object Oriented Programming principles. Interacted via weekly lab hours and tested Stepik exercises prior to release (for preparation).

La Jolla, CA

*June 2023–
Present*

Qualcomm Institute UC San Diego

WordPress Developer

Website structuring and maintenance for Qualcomm Institute's TREDS. Using LMS applications, Google Cloud API, HTML, and CSS, as well as WordPress and PHP. Implemented digital programs, collect and analyze data and research for supervisors. Work with SEO concept and tools for main website. Manage and develop software integrations.

La Jolla, CA

*Sept 2022–
Present*

WalkMe UC San Diego

Data Analyst

Worked on frontend development, data analytics, and implementation for WalkMe program at UC San Diego. Used jQuery, HTML, CSS, JavaScript, and CMS. Implementing designs for university websites and programs. Prototyped and tested implementations for UC San Diego. Used JIRA and HTTPS for managing software. Utilized automation with content via WalkMe and DAP. In compliance with 508 accessibilities.

La Jolla, CA

*May 2022–
Sept 2022*

EDUCATION

UC SAN DIEGO

Bachelor of Science in Cognitive Sciences–*Machine Learning & Neural Computation*. Minor in Computer Science.

GPA: 3.6

Honors: Marshall College Provost Honors (FA21, WI22, SP22, FA22).

Involvement: Cognitive Sciences Department WI23 (COGS 1: Introduction to Cognitive Sciences Instructional Assistant), Associated Students (2021-2023)

La Jolla, CA

September 2021–Present

SKILLS

Experience in Java, Python, MATLAB and Git/GitHub; VSCode, Jupyter, and DataSpell. User of Terminal environments and program testing. Basic SQL, Google Cloud API, and HTTPS/XML knowledge. Experience of JIRA (IBM Toolchain Build Tool) and basic Kubernetes knowledge. Worked with SDLC and software and source code maintenance.

Proficiency in web designing with HTML, CSS, JavaScript, PHP, and Content Management Systems. Worked with user feedback and pair programming. Experience with Google Sheets and Docs, Microsoft Excel and Word.

PROJECTS

Digital Art Keywords: Data science research project that analyzes the relationship between caption keywords and DeviantArt content using Python, specifically DeviantArt API, NumPy, Seaborn, Matplotlib, and SciPy. Group project via Git workflow/Jupyter.

Astrologify: Console app that uses Spotify API, Python, and Git to create user playlist with given user data. Used VSCode and GitHub.

Reminder App: Desktop program that uses EasyApp UI and Java to create reminders for the user through tasks and lists; incorporates times and dates. Created using NetBeans IDE.

REFERENCES

Francisco Mejia (WalkMe): f4mejia@ucsd.edu

Lesley Copeland (Qualcomm Institute): lcopeland@health.ucsd.edu