

DANIEL TORRES

Bakersfield, CA | (661) – 910 – 1063 | D_Torres39@outlook.com | <https://www.dtorresml.tech>

As a versatile software engineer proficient in Python, C++, and SQL, I excel in automating workflows, developing backend solutions, and ensuring data integrity across multiple platforms. My holistic approach to software development, backed by hands-on experience in these languages, has proven effective in both academic projects and diverse industry roles.

Education

California State University, Bakersfield
Bachelor of Science, Computer Science

Bakersfield, CA
04/2019 — 05/2023

Skills

Programming Languages: Python, C++/C, PHP, PowerShell, SQL

Web Development: HTML, CSS, JavaScript

Experience with: Windows, MacOS, Linux, Network Protocols, Git/GitHub, API Development, SQL Server, Oracle

Experience

Jaco Oil Company

Bakersfield, CA

Information Technology Intern

08/2023 — Present

- Successfully configured 20 servers running virtual machines used to modernize infrastructure at convenience stores.
- Streamlined communication with Microsoft Database Mail through SQL triggers, notifying employees about task completions. Enhanced managerial awareness regarding completed tasks based on real-time database updates.
- Demonstrated problem-solving skills by effectively diagnosing and resolving an issue identified in application logs. This fix enabled seamless ticket submissions to our ticketing system, enhancing overall operational efficiency.

Kern Health Systems

Bakersfield, CA

Cyber Security Intern

05/2023 — 08/2023

- Monitored network interactions, gaining exposure to network protocols and using network analysis tools (Fortigate).
- Developed a network scanner with Python to identify potential points of intrusion and potential vulnerabilities.
- Implemented and managed a CI/CD pipeline in GitHub, automating the environment setup process and rigorously performing unit tests to ensure proper software development practices and ensuring code integrity and quality.

California Resources Corporation

Bakersfield, CA

Data Automation Specialist Intern

05/2022 — 11/2022

- Automated the collection of more than 1 million+ rows of telemetry data using PowerShell scripting, resulting in a significant improvement in the efficiency of the data collection process.
- Automated SQL queries to clean and maintain a constant flow of data, ensuring data was accurate and consistent.
- Employed standardized flowchart symbols to document code logic and flow, significantly enhancing comprehensibility and long-term maintainability.

California Resources Corporation

Bakersfield, CA

Engineering Technology Assistant

05/2021 — 05/2022

- Used Excel to calculate well cement calculations, making decisions based on logic, ensuring calculation integrity.
- Reviewed documentation to find relevant information on oil wells, increasing my knowledge of the industry.
- Inserted formulas in Excel to automate tasks, resulting in more efficient use of time and resources.

Computer Science Department

Bakersfield, CA

Instructional Student Aid

01/2021 — 12/2022

- Helped students understand abstract programming concepts in C++, using my own knowledge and experience to explain complex topics in a clear and concise way.
- Graded up to 30 student labs and homework assignments, providing constructive feedback that helped students improve their understanding of the material.

Relevant Projects – CSU Bakersfield

Senior Project | Core Analyzer | Python, TensorFlow | API Development

08/2023 - Present

- Trained a convolutional neural network(CNN) on a dataset of core rock images to classify and produce regression values for oil saturation.
- Evaluated the performance and found that it achieved 80%+ accuracy on classification and regression tasks.
- Results demonstrate the potential of using CNN's to improve the efficiency and accuracy of oil exploration.

Software Engineering | Cosmotost | OpenGL, C++

02/2023 – 05/2023

- Gathered requirements to develop and design graphic-based game using OpenGL and C++.
- Used Kan Ban methodology to develop and maintain both software and responsibilities.
- Game includes time functions, score/life bars, settings, and key binding instructions.

Database Systems | PayPool | HTML, CSS, PHP, MariaDB, SQL

08/2022 – 12/2022

- Pay pool web application used to keep track of transactions on any trip.
- Designed Entity Relation Model for Database.
- Users assigned profiles and can access multiple views of the application depending on who they are.