# OBJECTIVE:

* Support company improvements by transforming data into clear insights, reports, and performance-driven solutions.

# EDUCATION:

‐ Bachelor of Science, Computer Science | California State University, Fullerton

# EMPLOYMENT/EXPERIENCES:

## Irvine Ranch Water District– Automation Intern (August 2024 – Present)

* + Development with Power BI, (similar to Tableau) to extract SCADA system data, utilizing SQL to transform and derive analytics to visualize statistics, tracking key performance indicators, and identifying anomalies, through visual digestible dashboards, with written reports to support decision making, response times to enhance safety
  + Applying and incorporating the stringent cyber security site standards through hardware integration, updates, testing and ensuring networking fundamentals are met
  + Supporting automation driven scripting to facilitate recurring practices and created Visio computer network diagrams

## California State University, Fullerton – Research & Data Science Analyst (January 2025 – Present)

* + Designing and supporting early-stage research on diabetes and mental health using Electronic Health Records (EHR) and survey data from the NIH All of Us Research Workbench, incorporating prior NIH studies and industry professional interviews
  + Conducting data validation, quality checks, and Extract Transform Load (ETL) workflows using R to clean, transform, visualize and analyze complex healthcare datasets
  + Developed preliminary visualizations of the data to create sample reporting, guide iterative dataset development, and support data mining enhancements
  + Deriving insights on the relationship between diabetes and mental health through exploratory data analysis and integration of population-level datasets, including genomic and physical health data
  + Collaborating with a multidisciplinary team to design research methodologies, evaluate data quality, and ensure rigor across both technical and non-technical approaches

## Paramount Pictures– Enterprise Solutions Intern (June 2024 – August 2024)

‐ Developed UI components and integrated Slack workflows with Java, Angular, Spring Boot, and Microservices coupled with API testing through Postman for modernization of the company’s content licensing portal

‐ Automated processes using Automation Anywhere and upgraded systems by utilizing Snowflake SQL and relational database design and technologies

## Tevora – Information Technology Security Intern, Developing Problem Solver (July 2023 – Sept. 2023)

‐ Led the R&D of an AI initiative, leveraging Amazon Web Services to create an accurate proof‐of‐concept to automate and optimize AI production, reducing rework and costs, while enhancing compliance report accuracy

‐ Developed project lifecycle documentation for broader company deployment; coordinated with technical stakeholders and non-technical executives to secure support and funding, presented updates, and explored future applications, while managing data, cost, schedule, and deliverables using agile techniques

## ASSURE‐US Summer Research Experience ‐ Project Assistant (Summer 2023)

‐ Developed a statistical pairs trading analysis tool using Python, Greedy and Divide-and-Conquer algorithms, validated performance reporting and recommendations against historical market data

## Golden Gate Computing – Internship (June 2021 – Jan. 2022)

‐ Boosted SEO traffic through enhanced web design techniques to increase google search ranking and sales

## Promach‐Statco Engineering – Internship (Summer 2019)

‐ Established and streamlined Non- Disclosure Agreement (NDA) process leading to company-wide digitalization

# LEADERSHIP:

# CSUF Titan Rover Robotics Club – Controls Member, Treasurer, UI, Autonomous Lead (2021 – 2024)

# Theta Tau: Professional Engineering Fraternity, Phi Epsilon Chapter (Spring 2024 – Present)

# CSUF Association for Computing Machinery ‐Women (ACMW): Webmaster (Jan. 2022 ‐ Aug. 2023)

# OTHER SKILLS:

|  |  |
| --- | --- |
| * C++ | * JavaScript |
| * React | * Data Science |
| * Big Data | * ROS |
| * Analytics | * Artificial Intelligence |
| * TypeScript | * CSS |
| * HTML | * TensorFlow |
| * Databases | * Firebase |
| * Machine Learning | * Computational Bioinformatics |
| * Frontend Development | * Software Engineering |
| * Data Structures | * Operating Systems |
| * GitHub | * Cybersecurity Principles |
| * Jira | * Development of Cross Platform Mobile App |
| * NumPy | * Microsoft Office Suite & Google equivalents |
| * SciPy | * Compilers |
| * scikit-learn | * Calculus 2 |
| * Microsoft Visual Studio | * Problem Solving |
| * Visual Studio Code | * Google Collab/Jupiter Notebook |
| * Discrete Math | * Reporting and technical documentation |