HOANG-YEN CAO

Seal Beach, CA
Phone:(805) 405-4869 | yenth602@gmail.com | https://github.com/ghhyc
https://www.linkedin.com/in/hoangyentcao

Data analyst with over 10 years of experience in computer programming, gathering requirements, and testing. Skills in Excel, VBA, and Python for machine learning, statistical analysis and programming, SQL (including ORMs) for programmable usage of databases, and Tableau for data visualization. My teammates recognize me for project management, customer service, problem-solving skills, and collaboration across diverse groups.

Technical Skills

Languages: Python, R, JavaScript, HTML, SQL, NoSQL
Application: SQLite, MySQL, PostgreSQL, Mongo DB, AWS S3& RDS, GitHub, Excel
Tools: Pandas, Flask, Jupyter Notebook, Visual Studio Code, Pg Admin, Tableau, Cerner Tools, Scikit learn, TensorFlow, Pivot Table.

Projects

Example project**:** Heart Disease Analysis| https://github.com/ghhyc/project-4
Extract Transform Load (ETL) https://heart-disease-predictor-p4.herokuapp.com
Using Heroku to deploy the app to the web. Machine modeling and data analysis to create an input page. Build the prediction page and application route to obtain the prediction page.
- Tools: HTML, Python, Jupyter Notebook, Pandas, AWS S3.

Example project: US and Electric Vehicle Analysis
Extract Transform Load (ETL) | https://github.com/ghhyc/electric-vehicle-charging
https://us-map-and-electric-vehicle.herokuapp.com
Using Heroku to deploy the app to the web. Extracted CSV files, Cleaned and imported files to PostgreSQL. Used Leaflet, D3 for display maps. Used any chart for display graph of State Level Emission Change.
- Tools: HTML, Python, Jupyter Notebook, Pandas, Leaflet, and D3.

Professional Experience

VENTURA COUNTY MEDICAL CENTER, Ventura, CA   **2015 – 2016**
SQL Report Analyst/Data Analyst (Contract for Luminous)
Developed, maintained Clinical custom reports using Discern Visual Developer and CCL/SQL. Utilized CCL/SQL to analyze and validate data. Extracted data from relational databases using SQL.

PACIFIC HOSPITAL OF LONG BEACH, Long Beach, CA   **2012 – 2013**
System Analyst/Report Analyst
Developed and maintained Clinical custom reports and created ad-hoc reporting tools using Discern Visual Developer, Power Insight, and CCL/SQL (CERNER/LINUX). Gathered user requirements and identified and resolved problems: supported testing and implementation activities.
- Co-built, tested and successfully implemented the Family Health Clinic project.

ARAMARK UNIFORM SERVICES, Burbank, CA   **2008 – 2012**
Programmer / Analyst

Analyzed, developed, enhanced, and maintained the Route Accounting system. Wrote technical design document. Developed test plans, test cases, and test scripts. Performed various types of testing. Gathered requests from users, identified and resolved problems. Utilized PL/SQL, UDMS for searching issues.

- Performed Integration testing and regression testing on the RAS conversion project resulting in 99% bug-free environment.

HEALTH NET INC, Woodland Hills, CA   **2001 – 2008**
Programmer / Analyst

Performed analysis and development of the Capitation system application as well as contributing to ongoing enhancements and maintenance. Gathered requirements from users and wrote technical design documents. Performed various types of testing and identified and resolved problems.

- Successfully led the Capitation Disaster Recovery project after several failed attempts by other team members.

Education

Bachelor's in Business Information Systems: California State University of Los Angeles, Los Angeles, CA.

Boot Camp Certificate in Data Analysis: University of California Irvine, Irvine, CA.
A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.