HOANG-YEN CAO

SEAL BEACH, CA

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Data analyst with over 15 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
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.

- Successfully built new IVIEW bands/new screens and implemented without issue.
- Self-trained the Discern Visual Developer, Power Insight (similar to Crystal Reports) and successfully created clinical reports.

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.

- Reduced development time by 80% for updating data files at more than 80 locations and accelerated service rates to be 4 times faster by developing tools to replace the existing process.
- Brought into balance more than 20K accounts receivable transaction records worth more than $500K through analysis and development of tools
- 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. Supported the User Acceptance Testing (UAT) and System Integration Testing (SIT) environments.

- Successfully led the Capitation Disaster Recovery project after several failed attempts by other team members.
- Performed system testing and user testing and documented the new Health Net Capitation on-line system resulting in a 99% bug-free environment.
- Performed data capture from production to test environments for 13 UAT and 8 SIT environments, often working extra hours and holidays.

Education

Bachelors 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.