HUNG QUACH

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Objective: A fulltime job in Software Engineer/ Data Engineer.

Qualifications Summary

- BS Computer Science - *December 2020*
- *Languages:* Python • C++/C • Java • JavaScript • C# • HTML/CSS • PHP
- *Systems & Software:* Linux/Unix • Visual Studio • Postman
- *Frameworks:* React • Express • TensorFlow • Bootstrap • .NET • Laravel • JUnit
- *Trilingual:* English/Vietnamese/Chinese

Education

in progress: **BS, Computer Science,** CSU Sacramento • GPA: 3.80 • to be completed December 2020
Dean's Honor List all semesters

Related Courses:

Machine Learning	Computer Networks and Internets	Intermediate Linux
Data Visualization	Computer Software Engineering	Data Structures and Algorithm
Data Mining	Database Management Systems	Computer Organization

Work Experience

Software Engineering Intern • Sacramento Municipal Utility District *05/2020 – 08/2020*

Wrote a full stack C# data visualization tool allowing Grid Operations team to make a prediction for emission. Used .NET, Dapper, LINQ, LiveCharts.Wpf to make a user-friendly UI. Created a dashboard for the whole team to easily analyze which decreased more than **80%** of the workload through using MS Excel. Optimized Stored Procedures on Microsoft SQL Server. Created a feature allowing to extract data to MS Excel.

Software Engineering Intern • Department of Conservation *12/2019 – 05/2020*

Wrote Python scripts to parse and analyze data from the website to support USGS for prediction of California's earthquake. Maintained and wrote PHP files connected to SQL server to support users easily retrieve data. Wrote XML files to display the intensity of earthquakes on Google Map.

IT System Administrator Intern • State Compensation Insurance Fund *6/2019 – 9/2019*

Served as IT System Administrator responsible for assessing the impact of all system-related changes on integrated functionality to ensure efficient and effective operations are maintained. Implemented adequate security controls for the proper safeguarding of confidential data and ensured the integrity of accurate employee information. Helped IT team build PowerShell scripts to transfer data from the master server to local computers. Also responsible for troubleshooting problems and finding solutions for issues arising from the data transfer.

Projects *https://github.com/KevinK88*

Identifying Foliar Diseases in Apple Trees: Created a neural network model that can correctly classify the disease of an apple leaf with high accuracy given the images of the leaf from Kaggle competition. Utilized convolution neural networks with multi layers and Transfer Learning to predict the highest F1- score.

Data Analysis/Python Project • Visual Analytic Science and Technology Challenge 2019

With a team of five computer science majors developed data analysis software to extract data from MIT researchers including CSV and JSON files to predict the severity of earthquakes. The team used Tableau and Trifactor for the data extraction. The software the team developed was used to identify and remove inaccurate data and to graph the data dynamically using python library. The resulting software is designed to assist government agencies in evacuating populations prior to earthquakes. The team's output was shared with MIT for use in their VAST Challenge online project.

Network Intrusion Detection System

Developed an AI model utilized convolutional neural networks that can predict 99% correct defects in the network system based on the given data set by using TensorFlow and Keras.

Cryptocurrency converter

Used Express.js, CSS, HTML, JavaScript, jQuery, and Bootstrap framework to develop a cryptocurrency ticker that can display and convert live data by taking advantage of API.

Silly Cyborg

Created an interactive Java game using OOP concepts which implemented in cross-platform from Codename One.

Professional Activities & Accomplishments

Member: Associate for Computing Machinery, IEEE, SCC Programming Club, MESA.

Participant: SCC Hackathon, International Collegiate Programming Contest, HackDavis.