Tiecheng Su

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SOFTWARE ENGINEER | WEB DEVELOPER

Results-driven, customer-focused, highly organized and analytical Software Engineer with experience in design, development, integration, and delivery of web applications and analysis.

PROFESSIONAL EXPERIENCE

Genetic Foresight | Berkeley, CA | 09/2017 - now *Software Engineering intern*
- Developing a Laravel based application to help clinicians prescribe personalized medication to patients.
- Working on frontend with JavaScript, Bootstrap, jQuery and maintaining MySQL database.
- Deploying and managing applications on AWS Elastic Beanstalk and RDS.

GoFind.ai | Berkeley, CA | 05/2016 - 08/2016 *Software Engineering intern*
- Built an Image Search Engine for shopping using Machine Learning and Computer Vision.
- Performed analysis on Convolutional Neural Networks and Multi-Object Recognition algorithm.
- Successfully implemented the algorithms with TensorFlow, Darknet, OpenCV using C++/C and Python and achieved an accuracy of 90%.

PROJECT EXPERIENCE

PWC wheels | Los Angeles, CA | 2017
- Built a company homepage with Python on top of the Django web framework and implemented user authorization and authentication with PostgreSQL as database.

Neighborhood Map | Rochester, NY | 2017
- Developed a web application featuring a neighborhood map with JavaScript that integrated Google Maps and Places API to enable search function; Built with Knockout.js frameworks and Bootstrap.

Popular Movies App | Rochester, NY | 2017
- Built an android app to allow users to discover popular and high rated movies with Java.
- Fetched data from themoviedb.org API to allow users read movie details and watch trailers, designing local SQLite database to enable offline features.

Reddit comments big data analysis | Rochester, NY | 2017
- Deployed Hadoop cluster on AWS EC2 to analyze Reddit comments; Implemented Hadoop Streaming in Python for MapReduce on AWS EMR to process 30GB data.

Face Recognition in the Wild | Rochester, NY | 2016
- Developed a face recognition algorithm in Matlab with SIFT as feature; Implemented GMM, SVM to classify face image achieving 85% accuracy in 2k image database.

EDUCATION

University of Rochester, Rochester, NY: 2017
Master of Sciene in Electrical and Computer Engineering (GPA: 3.77)

Huazhong University of Science and Technology, Wuhan, China: 2015
Bachelor of Engineering in Optoelectronic Materials and Devices (GPA: 3.40)

ADDITIONAL CREDENTIALS

Technical Skills: Java, Python, C++, PHP, JavaScript, Django, Laravel, Angular2, HTML, CSS, jQuery, Bootstrap, MongoDB, MySQL, Android development, AWS
Patents: Three patents for Aluminum Wheel and Anti-wave Cage
Publication: 2D vanadium doped manganese dioxides nanosheets for pseudocapacitive energy storage.
Github: https://github.com/tiechengsu