

Cloud Software Engineer Cloud Software Engineer Cloud Software Engineer - Schlumberger
Houston, TX Work Experience Cloud Software Engineer Schlumberger - Houston, TX February
2019 to Present Drilling Simulation and Analysis Website Developed a website that can visualize
geographical statistics, perform drilling simulation based on user-defined material/process setting
and help petroleum engineer cooperate online & design better drilling plan to increase oil
production. Generated world stress map, basin map in UI using Angular. Visualized these
geographical data to help engineer with drilling analysis. Enabled user to duplicate process design
in UI and made it convenient to add similar process to simulation. Enhanced user experience.
Implemented algorithm in backend to filter and clean up datastore. Improved loading speed in
backend and saved datastore cost. Designed and implemented datastore backup/restore solution
with GCP cloud function, Node.js, cloud scheduler and nearline storage. Provided automatic
backup and automated test. Enhanced data security and made application more robust. Created
release pipeline in Azure to deploy backup program to GCP automatically. Improved development
efficiency by 10%. Full Stack Web Developer Intern IT Department of Rice University - Houston, TX
May 2018 to August 2018 CRUD Website Source Code Generator Built a code generator acting
similar to a compiler. It parses an XML file, which is produced by Jeddickt using visualizing tool and
ER Diagram, then generates all source code a single page CRUD website needed in less than 5
seconds to boost up web development. Designed the generated website with frontend built with
Oracle JET and backend built with Spring Boot, Gradle and H2. Added content recommendation
and fuzz search in console by adopting Yeoman. Improved user experience. Deployed it to Github
as an npm module with gulp. Simplified installation complexity with just one 'npm install' command.
Research Assistant & Software Developer South China University of Technology - CN May 2015 to
October 2016 Quadcopter Navigation System Navigated quadcopter using Convolutional Neural
Network and Depth Map, which is obtained by PTAM and DTAM algorithm based on monocular
vision. A paper was published based on this. Implemented navigation algorithm with C++ &
Python and experimented on Ubuntu14.04. Adopted OpenCV to process images and produce
training set. Used CUDA and Caffe to train Convolutional Neural Network. Led a team of five.

Organized regular meeting, assigned tasks and reported progress to advisor. Education Master of Computer Science in Computer Science Rice University - Houston, TX August 2017 to December 2018 B.Eng. in Computer Science in Computer Science South China University of Technology - Guangzhou, CN September 2013 to July 2017 Skills C#, C++, Docker, Git, Gradle, Hadoop, Html, Javascript, Node.js, Typescript, Php, Python, Opencv, Tensorflow, Svn, Java, Hibernate, Spring, Mysql, Oracle, Azure, AWS, Linux, Powershell, Devops Links <http://www.linkedin.com/in/weiheng-qiu> Additional Information SKILLS Frontend Framework: Angular, Oracle JET, Knockout.js. Backend Framework: Node.js, Express, Spring Boot, Hibernate.

Program Language: Java, JavaScript, TypeScript, HTML, CSS, Python, C++, SQL, MATLAB, OpenCV, C#, PHP. Tool & Other Framework: Git, SVN, Docker, GCP, Azure, AWS, Gradle, MySQL, Hadoop, Spark, TensorFlow, Caffe.

Name: Joseph Lawrence

Email: patricia99@example.org

Phone: +1-656-660-3243x36383