

Data Engineer Data Engineer Data Engineer - Redfin Bellevue, WA Authorized to work in the US for any employer Work Experience Data Engineer Redfin - Seattle, WA September 2017 to Present Supply data for analysts and automate marketing tasks. Develop airflow dags to read from internal databases and external 3rd-party APIs. Develop campaign automation tools to auto-update SEM adcopies and keywords. Develop API Gateway endpoints with Lambda and DynamoDB to supply data to frontend. On-call production support for Redshift, airflow, and various AWS components.

Software Engineer Embedded Resource Group - Campbell, CA January 2016 to September 2017 Develop internal dashboards for EDA lab cloud machines using Kubernetes (Borgmon). ? To monitor cloud machines using pods, labels/selectors, controllers and services. ? Modify borg jobs, construct tables and charts in Python, Closure, Javascript, and CSS. ? Using the engineering build stack to push to the production branch. Using tools like blaze, BigTable, colossus, fileutil, dygraphs, Google Visualization API (gviz), etc.

Frontend Developer ITCO Solutions Inc - Redwood City, CA July 2015 to December 2015 Develop an internal dashboard charting app called Unidash. ? Develop internal charts/widgets in Hack, ReactJS, Javascript, CSS, and HighCharts. ? Using the engineering build stack to contribute changes to the www repo. Using tools like arc, hg, t, flow, jest, crud, fbide, etc.

Python Automation Engineer MindSource - Mountain View, CA April 2015 to July 2015 Performed global-scale Map tile validation using Groovy, Hadoop, and Python. ? Wrote Python library files to auto-populate optimal zoom, polygon and tile info for the POIs testcase files. This automation process reduces at least 50% of the manual effort. ? Wrote a parser in Python to convert numerous types of tile testcase files to/from csv files, thus enabling QAs to directly modify in csv/excel, saving overall QA time.

Technical Consultant Google - Mountain View, CA February 2013 to March 2015 Developed internal App Engine applications, and managed business intelligence projects. ? Sole engineer to build an App Engine application in Python / jQuery / CSS / Cloud SQL to gather improvements ideas on existing workflows from all vendor staffs around the world. ? Build a variety of metrics charts with complex SQL queries from internal marketing and sales data to generate business intelligence. ? Build tools to automate workflows using trix, pipewrench, dremel, plx, cns, etc.

Web Developer Apple - Cupertino, CA June 2011 to February

2013 Developed an internal website and various automation tools for the iOS wireless division using HighCharts, MySQL, PostgreSQL, PHP, Python, Javascript, and CSS. ? Being the sole developer to design and maintain a progress reporting website for an organization of 300+ QA/Dev members. This visualization tool gives daily insight to the upper managers to discover bottlenecks early on in project cycles. Component Design Engineer Intel Corporation - Santa Clara, CA June 2008 to May 2011 Responsible for development, deployment, and support of a database-driven, .NET WinForm application. ? Handling DBA tasks on SQL Server 2008 involving user account management, backup/restore tasks, replication setup, and procedural/functional programming.

System Admin Brian Chan - Bellevue, WA September 2005 to June 2008 bychan@gmail.com | (650) 733-6423 | PO Box 53022, Bellevue, WA 98015-3022 www.linkedin.com/in/chanbrian/ UC Davis, Genomics Facilities, Davis, CA System Admin (September 2005 - June 2008, 2 yr 10 mo) ? Being the sole programmer, database admin, and IT support for a group of ten people. Owning all aspects of projects, including design, implementation, and database admin. Intern programmer Yahoo - Sunnyvale, CA June 2004 to August 2004 Created a visualization tool to monitor the status of the mail servers worldwide. Programmer UC Davis, Vegetable & Crop Dept - Davis, CA April 2001 to June 2004 Created a bioinformatics visualization tool and other GUI tool in Python.

Education Bachelor of Arts in Computer Science University of California - Davis, CA June 2004 Bachelor of Arts in Mathematics University of California - Davis, CA June 2004 Skills PYTHON (8 years), CSS (6 years), DATABASE (5 years), SQL (5 years), jQuery (2 years), ETL, Data Warehouse Assessments Data Analysis Expert February 2019 Measures a candidate's skill in interpreting and producing graphs, identifying trends, and drawing justifiable conclusions from data. Full results: https://share.indeedassessments.com/share_assignment/m9xz9pzwazv2mvrw Problem Solving Highly Proficient February 2019 Measures a candidate's ability to analyze relevant information when solving problems. Full results: https://share.indeedassessments.com/share_assignment/hua-nwaacsb2nfy3 Indeed Assessments provides skills tests that are not indicative of a license or certification, or continued development in any professional field. Additional Information Skills ? Web Development Appengine, Django,

Python, PHP, React, jQuery, HTML, CSS ? Mobile App Development: Objective-C, Swift, Java, Xcode, Appcelerator Titanium ? Database: Cloud SQL, MySQL, PostgreSQL

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