



samuel lui



computer skills & languages

Java, Python, Go, HTML, CSS, Spring, Cloud Foundry, Jenkins, Git, Maven, Artifactory, Jira, Javascript, Oracle, PostgreSQL, GIS, Django, Adobe Photoshop, Sketch, Microsoft Office, Microsoft SharePoint, Microsoft InfoPath, Equally familiar with PCs, Macs, and UNIX



cbre senior software engineer: august 2018 - present

Improving the way thousands of researchers and brokers work by building a scalable and streamline web application on top of CBRE's Enterprise Data Platform.

Responsible for building a modular and extensible backend system in Go that scales regardless of the data that is provided. Designing architectural requirements as the project scales globally and leading junior and offshore engineers

verizon wireless software engineer: MTS II & III june 2016 - august 2018

Improved rating for over 142 million business and consumer customers by rebuilding the core sorting module in Python, which aids in the end of cycle line level data reallocation

Reduced process time of key module from 2.5 hours to 30 seconds by rewriting and refactoring logic in Go

Mentored and enabled intern to contribute to a customer impacting project

Rewriting core client facing module that handles 15+ million calls a day to a more modular and maintainable framework

Rewriting application that keeps all customer profiles in sync between the core billing and rating platforms across Verizon

Leading a team to automate build and deployment our entire application stack both on prem and into AWS

Improved pre-production testing by building a scalable and modular platform to eliminate manual testing

verizon software engineer: MTS I june 2013 - june 2016

Working with Service Creation Maintenance and the Catalog Management Platform to provide a seamless experience for systems interacting with the platform in the Order and Billing systems for Value Added Services provided by Verizon.

Created and maintain dashboard with multiple internal tools to provide a comprehensive view of the backend systems

Rebuilt a more robust and scalable safety net for all front end ordering applications which analyzes and corrects incorrect orders that pass through the system in real-time

Helped in creating internal tools to allow for a more efficient process of working trouble tickets allowing for a clearer picture into the process while providing actionable metrics to management.

Implementing Cassandra across the Verizon Ordering System as an alternative to our standard relational Oracle Database

Lead the migration and refactoring of existing applications to the cloud in CloudFoundry during the transition to devops

Refactored entire code base to be cloud ready

Integrated Wily Introscope agent into a custom buildpack which is used across all business units company wide

Built an automated software and development pipeline to enable seamless end to end deployment from code check-in using Jenkins

Became a devops dojo master to train and enable teams across Verizon to be devops and cloud ready

airsage intern may 2012 - may 2013

Created Python scripts to automate the analysis of billions of data points per day and automated the generation of reports for the Sr. VP Research & Development.

Created a web-based catalog to allow for a more organized management of hardware and software in the datacenter.

Utilized GIS mapping software to generate reports which were used to analyze issues with the production system

Redesigned a PDF order form for external clients with embedded JavaScript logic based on the customer's needs,

which solved usability issues and implemented the same order form in a web-based environment using HTML, CSS, and Javascript.

a.i.m. financial group intern may 2010 - aug 2010

Created a way to facilitate client management by using Microsoft Access.

Designed client reports to create a more visually appealing and comprehensible summary of client information.

Redesigned portfolio reports which allows for an easier and quicker way to see the summary the quarter.

maxmedia intern jan 2009 - aug 2009

Worked design and quality assurance of products for AT&T, Dell, Autotrader, Nasonex and API.

other design projects 2008 - present

Contract work for various organizations: Designing Promotional Material & Tshirts

Aided in the design and front end development of www.CourseShark.com

Designed First Chinese Baptist Church of Atlanta Youth Website and Logo



education

georgia institute of technology

The School of Computer Science at the College of Computing,
Class of 2013

languages

English
Cantonese Chinese
Basic Mandarin

contact me!

678.697.2505
7220 Sanctuary Dr
Frisco, TX 75033
samwlui@gmail.com