Qian, Li

650-339-9023   ericqianli@gmail.com   linkedin.com/in/ericqianli

As a researcher, engineer and art enthusiast, I believe the value of technology is to make user tasks simple and pleasant. As Big Data thrives through the Internet era, I have devoted my past decade to researching, designing and implementing data analytics platforms and products, which have helped thousands of users accomplishing their data tasks with efficiency and ease. Now, arising cutting-edge technologies such as Node.js, React, Vue and Material Design unlock an unparalleled opportunity to bring data analytics to a new level -- simple, beautiful and powerful. I am excited to leverage my expertise in engineering and passion in art to fulfill the vision of next generation data products, delivering a smooth and pleasant user data experience.

Experience

Facebook 2013 - Present

Senior Software Engineer

Building next generation big data analytics platforms and products to empower core business decision making. Built the universal query product supporting 10+ data sources, 8k+ daily active users and 80k+ daily queries. Constantly contributing to various data exploration, visualization and dashboarding products. Led multiple cross team projects, utilizing machine learning to improve query composition, interfacing query platform to anomaly detection and automating interactive dashboard creation. Actively interviewing and training employees on internal data products.

National University of Singapore 2013 Summer

Postdoctoral Researcher

Proposing and implementing Automatic User Preference Inference with optimal pairwise comparisons.

IBM Almaden Research Center 2011, 2012 Summer

Intern

Implementing and patenting Declarative Entity Integration Language for large scale data integration. Prototyping and deploying streaming systems to empower Declarative Entity Integration in real time.

Projects

Data Sweet

An integrated solution for user-friendly query and visualization workflow, built with Node.js and React. Features dimensional query and client side visualization. Architected to be completely independent of query source and view library.

Ocean & Morus

A platform dedicated to collecting, presenting and exchanging timeless arts, which reflect simple design, rich culture and exquisite craftsmanship.

Ishhoikka

Personal Ikebana work exhibition.

Education

University of Michigan 2008 - 2013

M.S and Ph.D. in Computer Science and Engineering

GPA 4.00

University of Hong Kong 2006 - 2007

Exchange in Computer Science and Engineering

GPA 3.81

Zhejiang University 2004 - 2008

Chu Kochen Honors College, B.S. in Information Engineering

GPA 3.97

Publications

Learning User Preferences by Adaptive Pairwise Comparison
Proceedings of the VLDB Endowment 2015

Organic Databases
International Journal of Computational Science and Engineering 2015

Incremental Information Integration Using a Declarative Framework
USPTO 2014

Reducing End-User Burden in Everyday Data Organization
University of Michigan 2013

Sample-Driven Schema Mapping
Proceedings of ACM SIGMOD 2012

Organic Databases
Databases in Networked Information Systems 2011

CRIUS: User-Friendly Database Design
Proceedings of the VLDB Endowment 2011

Services

Proceedings of ACM SIGMOD 2015, 2016
Program Committee

Proceedings of the VLDB Endowment 2014, 2015
Program Committee

ACM Transactions on Database Systems 2015
Reviewer

Hobbies

Music • Poetry • Ikebana