<b>Jun Yu</b> Bellevue, WA	II (541) 678-8666 II zariable@gmail.com	n II linkedin.com/in/zariable
QUALIFICATION	<ul> <li>Result-oriented engineering leader with proven team management, problem solving, empirical analysis skills and extensive software development experience.</li> <li>Professional expertise includes large-scale machine learning, recommendation system and ranking, forecasting, advertisement optimization, fraud and risk management.</li> <li>CS Ph.D. majored in machine learning research with 10+ years experience in developing ML algorithms and applying ML techniques to solve large scale real world problems.</li> </ul>	
EXPERIENCE	Snap inc Senior Engineering Manager  I am the single-threaded owner of a business critical mobile, backend, and ML engineers across multiple recommendation systems, UX, notification, spam pre friends on Snapchat and have tripled new user friends  University of Washington - Adjunct Professor	geo locations in building products (ie. friend evention, etc) that help users make virtuous
	I have a passion for teaching and helping more people into the field of machine learning and data science. I currently teach several graduate-level courses in the Foster School of Business, including Advanced Machine Learning, Deep Learning, and Natural Language Processing.	
	Amazon - Senior Applied Scientist and Tech Lead  ☐ [Forecasting] built ML models to forecast prochigh-quality deals and optimize the deal scheduling [Recommendation] Led the team in building the rank content on Amazon Seller Central Homepage push notifications and SMS) in order to maximize  ☐ [Downstream Impact] built Amazon's first seller dotthe incremental long-term economic impact of a used in budget allocation, content recommendations.	ng for Amazon Prime Day 2018 & 2019. recommendation system to personalize and e and other push delivery channels (emails, user engagement. ownstream impact causal model to estimate single seller-initiated action. Outcomes are
	eBay - Staff Applied Science Tech Lead  ☐ [Marketing] Led a team of applied researchers to improving the bidding strategies on Google and improved ROI by a total of 30+%, leading to tens of the state	d Facebook to maximize ROI. Our models

- [Risk Management] Built a large-scale machine learning model to predict seller risk and reduce the number of defective transactions on eBay via search ranking demotion, which translates to tens of millions GMB lift annually.
- ☐ [Search] Implemented and published a topic model based approach to retrieve diverse items based on user buying intents and improved the user satisfaction by 6+%.
- ☐ Award: eBay Critical Talent Award & eBay Seattle Technical Achievement Award.

## **EDUCATION** Ph.D. in Computer Science

September 2006 – December 2013

Oregon State University, OR

GPA: 3.98

Thesis: Machine Learning For Improving The Quality of Citizen Science Data.

## **B.S.** in Computer Science

September 2002 – June 2006

Wuhan University, China

## **SKILL SETS AWS and Google Cloud** for building softwares and products using various cloud products.

**Scala and Java** for building and deploying end-to-end applications in production.

**Spark** for building data pipelines and large-scale ML models.

Python for building machine learning models, data analytics and prototyping.

## **PUBLICATIONS**

Graph Neural Networks for Friend Ranking in Large-scale Social Platforms. WWW. 2021.

Bayesian and empirical Bayesian forests. ICML. 2015.

Can observation skills of citizen scientists be estimated using species accumulation curves? PLOS-ONE, 2015.

The eBird enterprise: an integrated approach to the development and application of citizen science. Biological Conservation, 2014.

Modeling misidentification of bird species by citizen scientists. AAAI. 2014.

HC-Search for Multi-Label Prediction: An Empirical Study. AAAI. 2014.

Clustering species accumulation curves to identify groups of citizen scientists with similar skill levels. IAAI. 2014.

Latent Dirichlet Allocation based diversified retrieval for e-commerce search. WSDM. 2014.

Clustering species accumulation curves to identify groups of citizen scientists with similar skill levels. NIPS workshop. 2013.

Modeling misidentification of bird species by citizen scientists. NIPS workshop, 2013.

Automated data verification in a large-scale citizen science project: a case study. eScience, 2013.

eBird: a human/computer learning network for biodiversity conservation and research. Al magazine, 2013.

Crowdsourcing citizen science data quality with a human-computer learning network. NIPS workshop. 2013.

eBird: a human/computer learning network for biodiversity conservation and research. IAAI. 2012.

The implementation of automated data verification processes in a large-scale citizen science project. eScience workshop. 2012.

Multi-label classification for species distribution modeling. ICML workshop. 2011.

Modeling experts and novices in citizen science data for species distribution modeling. ICDM. 2010.

Learning algorithms for link prediction based on chance-constraints. ECML. 2010.

Chance-constrained programs for link prediction. NIPS workshop. 2009.