CONTACT INFO	McKelvey Hall 2010	<b>\$</b> (734) 846-0174
	Washington University in St. Louis	Chenyehu@wustl.edu
	St. Louis, MO 63130	A http://yahoochen97.github.io
RESEARCH INTERESTS	Machine learning, Causal inference, Bayes Forecasting, and Quantitative methods	sian methods, Gaussian process,
	I am interested in applying Bayesian mach tative research, especially causal inference, mental design and forecasting. In my dissert <i>and Inference in Political Science with Gaus</i> to design interpretable machine learning alg political science with the family of Gaussian issue position measurement, heterogeneous adaptive data acquisition in conjoint analysis	psychometrics, adaptive experi- tation thesis Advancing Modeling sian Processes, I investigate how orithms for tackling core tasks in process models, including latent a effect estimation in panel data,
EDUCATION	<ul> <li>Washington University in St Louis, St Lou</li> <li>Ph.D. Candidate in Computational &amp; Data S</li> <li>Track: Computational Methodologies</li> </ul>	Science, Sept. 2019 to Present
	• Advisors: Roman Garnet (CSE), Jacol	b Montgomery (PoliSci)
	• Expected graduation: Spring 2024	
	University of Michigan, Ann Arbor, MI	
	B.S in Computer Science (Summa Cum Lau	ide), Sept. 2017 to May. 2019
	<b>Shanghai Jiaotong University, Shanghai</b> , B.S.E in Electrical and Computer Engineeri	
PUBLICATIONS	A Multi-Task Gaussian Process Model for ment Effects in Panel Data. Yehu Chen, gomery and Roman Garnett. In the 26th Int cial Intelligence and Statistics ( <i>AISTATS</i> ), 20	, Annamaria Prati, Jacob Mont- ternational Conference on Artifi-
	Gaussian Process Conjoint Analysis for I timation with Adaptive Experiment. With Garnett. Under review, Neurips 2024	e
	<b>GD-GPIRT: Generalized Dynamic Gaussi</b> <b>ory for Latent Measurement.</b> With JBra	-

gomery and Roman Garnett. Under review, Neurips 2024

**Idiographic Personality Gaussian Process for Psychological Assessment.** With Joshua Jackson, Jacob Montgomery and Roman Garnett. *Under review*, Neurips 2024

**Polls, Context, and Time: A Dynamic Hierarchical Bayesian Forecasting Model for US Senate Elections.** Yehu Chen, Roman Garnett and Jacob M. Montgomery. In Political Analysis, 2023

**Compressive Big Data Analytics: An ensemble meta-algorithm for highdimensional multisource datasets.** Simeone Marino, Yi Zhao, Nina Zhou, Yiwang Zhou, Arthur W. Toga, Lu Zhao, Yingsi Jian, Yichen Yang, Yehu Chen, Qiucheng Wu, Jessica Wild, Brandon Cummings and Ivo D. Dinov. In Plos one, 2020

WORKING IN<br/>PROGRESSA Gaussian Process Framework for Structured, Flexible, and Interpretable<br/>Machine Learning Models in the Social Sciences. With Annamaria Prati,<br/>Ryan Johnson and Jacob Montgomery. In APSA, 2023

**Gaussian process Regression and Post-stratification for Grouped Data.** With Santiago Olivella (UNC), Bryant Moy (NYU) and Jacob Montgomery.

## **PRESENTATIONS Poster Sessions:**

- Society for Political Methodology Meeting, Riverside, CA, 2024
- STL DataFest 2024, st louis, MO, 2024
- Society for Political Methodology Meeting, Stanford, CA, 2023
- Information and Statistics in Nuclear Experiment and Theory, St Louis, 2023
- The 26th International Conference on Artificial Intelligence and Statistics, Valencia, Spain, 2023
- Society for Political Methodology Meeting, St Louis, MO, 2022
- Michigan Institute for Data Science Annual Symposium (Most Likely Health Impact Postewr), U of M Ann Arbor, MO, 2018

## **Campus Talks:**

Computational Data Science Student Seminar, WashU St. Louis, 2022

TEACHING EXPERIENCE	<ul><li>Teaching Assistant, Washington University in St Louis</li><li>CSE 517A Machine Learning: Spring 2024</li></ul>	2019 to Present
	PoliSci 582 Quantitative Political Methodology II: Fa	ll 2021

• CSE 515T Bayesian Methods in Machine Learning: Spring 2021

	Instructor Assistant, Shanghai Jiaotong University2016 to 2019• Honored Mathematics I, II & III: Fall 2016, Spring 2017, Summer 2017• VE230 Electromagnetics I: Summer 2019
	Grading Assistant, University of MichiganFall 2018• EECS 376 Foundation of Computer Science
WORK EXPERIENCE	Foxit Software Inc, Fremont, CAJul. 2018 - Aug. 2018Software Engineer Intern
	<b>Shanghai Fudan Microelectronics Group,</b> Shanghai, China Winter 2017 <i>Research Intern</i>
SOFTWARE	<i>gpirt</i> R package for dynamic Gaussian process item response model for latent trait estimation with MCMC sampling (with JBrandon Duck-Mayr).
TECH SKILLS	<b>Programming:</b> C, C++, C#, Python, R, Matlab, Java, JavaScript, HTML, Latex, Linux <b>Statistical and Machine Learning tools:</b> Tensorflow, pytorch, gpytorch, pyro, pymc, Stan, GPML toolbox
SERVICE	Conference Reviewer:2023 - nowInternational Conference on Learning Representations (ICLR)International Conference on Machine Learning (ICML)
	International Conference on Machine Learning (ICML) International Conference on Artificial Intelligence and Statistics (AISTATS)
AWARDS & HONORS	
	International Conference on Artificial Intelligence and Statistics (AISTATS)'Deans List', University of Michigan2017 to 2018
HONORS	International Conference on Artificial Intelligence and Statistics (AISTATS)'Deans List', University of Michigan 'Bosch' Scholarship, BOSCH, Ltd2017 to 2018 2015 to 2016PROF. ROMAN GARNETTSarnett@wustl.edu
HONORS	International Conference on Artificial Intelligence and Statistics (AISTATS)'Deans List', University of Michigan 'Bosch' Scholarship, BOSCH, Ltd2017 to 2018 2015 to 2016PROF. ROMAN GARNETT Department of Computer Science and Engineering, WashU St. LouisSt. LouisPROF. JACOB MONTGOMERYSt. jacob.montgomery@wustl.edu