

# Jifan Zhang

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## CS Master's Student at University of Washington

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## Education

**Sep 2016 - Present**    University of Washington, Seattle  
                                 M.S. in Computer Science, GPA: 3.98 / 4.0  
                                 Mar 2019    B.S. in Computer Science (minor in Mathematics), GPA: 3.94 / 4.0  
                                 Advisor: Kevin Jamieson

## Research Experience

**Mar 2019 - Present**    Washington AI Lab  
                                 *Research Assistant, advised by Professor Kevin Jamieson*

- Working on both theoretical and empirical perspectives of active learning algorithms
- Proposed novel learning to actively learn procedure for training optimal policy while obtaining same level of robustness as theoretically justified ones

**June 2017 - June 2019**    Robotics and State Estimation Lab  
                                 *Research Assistant, advised by Tanner Schmidt and Professor Dieter Fox*

- Built multi-tasking deep learning structures for computer vision and robotics tasks with both Back Propagation and Equilibrium Propagation (for energy based models)

**June 2018 - Sep 2018**    SAMPL Group  
                                 *Research Assistant, advised by Professor Zachery Tatlock*

- Worked on the Relay project (part of TVM, a deep learning library). Designing better intermediate tensor representation for the compiler

## Industry Experience

**June 2020 - Sep 2020**    Google, Geo 3D Reconstruction Team  
                                 *Software Engineering Intern*

- Researched on and implemented multi-view texturing algorithms for Google Map's 3D reconstructed models at scale

**June 2019 - Sep 2019**    Facebook, ML Data Platform Team  
                                 *Software Engineering Intern*

- Prototyped distributed systems for large scale Machine Learning services of data pre-processing
- Constantly communicated with and employed services from five different teams

## Preprint

- *Learning to Actively Learn: A Robust Approach*  
**Jifan Zhang**, Kevin Jamieson.  
arXiv:2010.15382. October 2020. *under review at ICLR 2021*

## Teaching

**Jan 2017 - Present**     University of Washington, Allen School of Computer Science and Engineering  
*Teaching Assistant*

- Graduate Courses: CSE 599G1 Deep Learning, CSE 546 Machine Learning
- Undergraduate Courses: CSE 446 Machine Learning, CSE 473(major)/415(non-major) Artificial Intelligence, CSE 341 Programming Languages
- Assist with overall course planning and development; design homework and exam problems; lead and prepare weekly sections; hold weekly office hours

## Awards

- **Microsoft Endowed Scholarship: recipient**
- **ACM-ICPC (Pacific Northwest Region): 5th place**
- **William Lowell Putnam Mathematical Competition: ranked 439 as sophomore and 733 as freshman**
- **UW Honors Calculus Award: One student per year awarded by the math department**