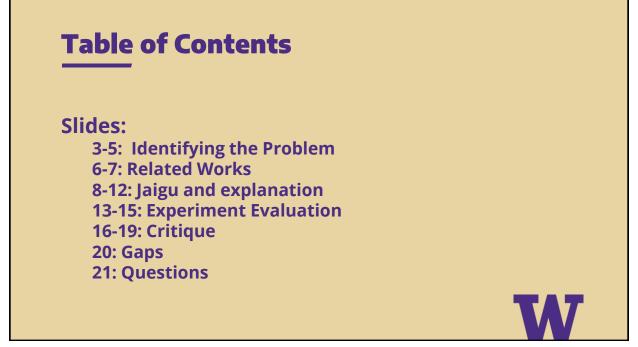
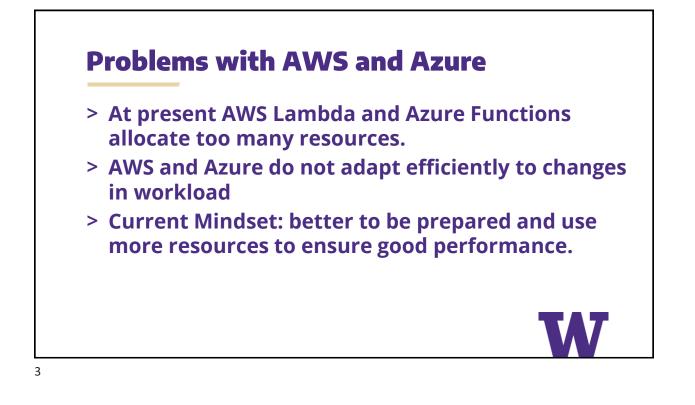
Optimizing Resource Utilization with Jaigu

A review by: Jackson A. Goldberg

UNIVERSITY of WASHINGTON



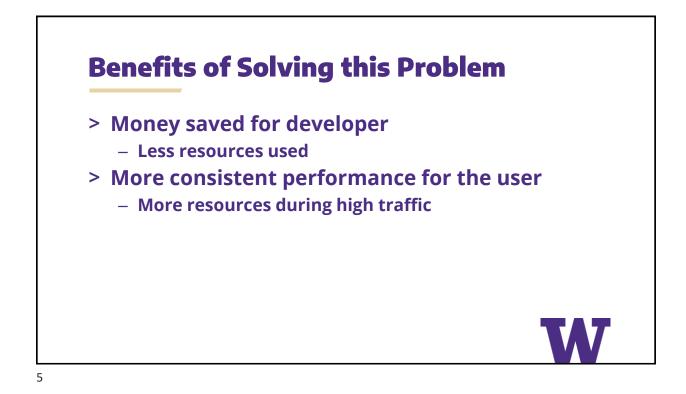
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- > Increased utilization of resources means the developers are charged more for resources that aren't being used.
- > Lack of good adaptability to traffic means that during high usage users suffer poor performance, and during low traffic developers suffer additional costs.



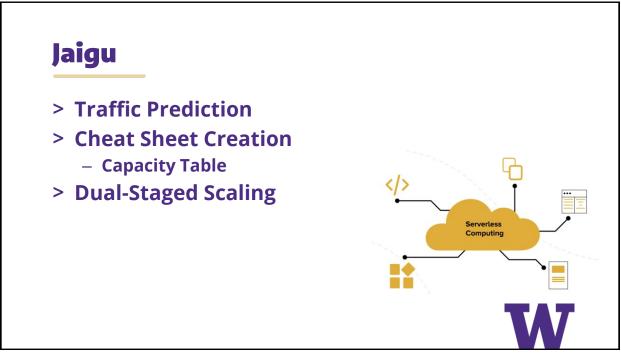


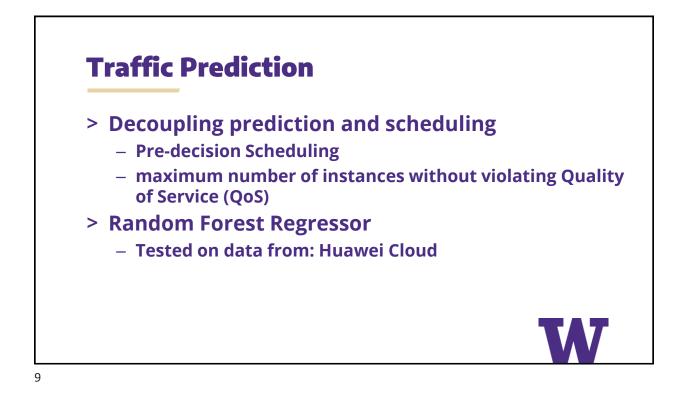
Related Works

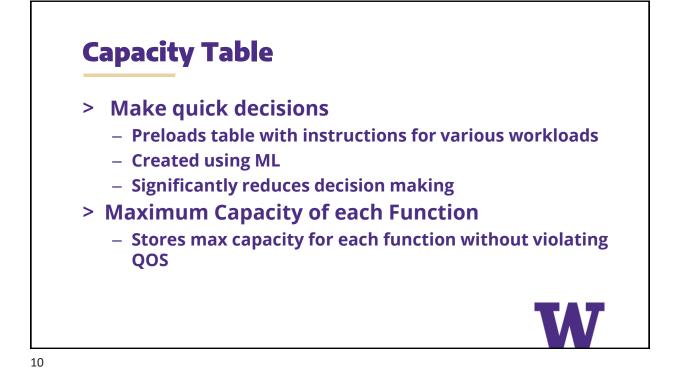
- > Machine learning research
 - Kumari et al. (2022) Directed Acyclic Graph
 - Mampage et al. (2023) deep reinforcement learning
- > Decoupled Resource Allocation
 - Bilal et al. (2021) memory and cpu decoupling
- > Delayed decision making
 - Sinha et al. (2024) postponing resource decisions

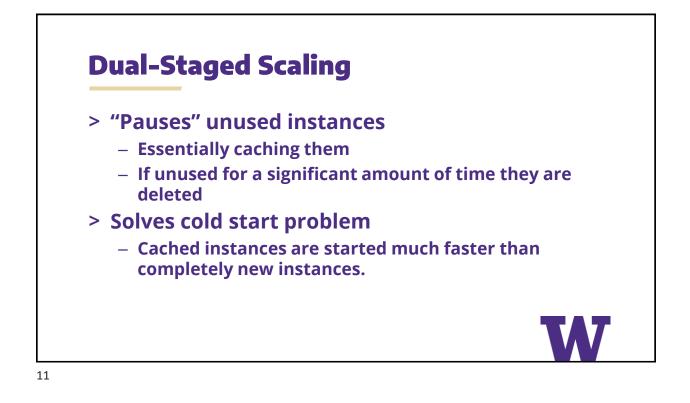


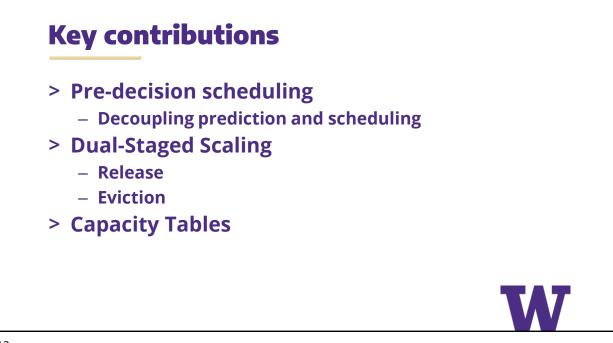


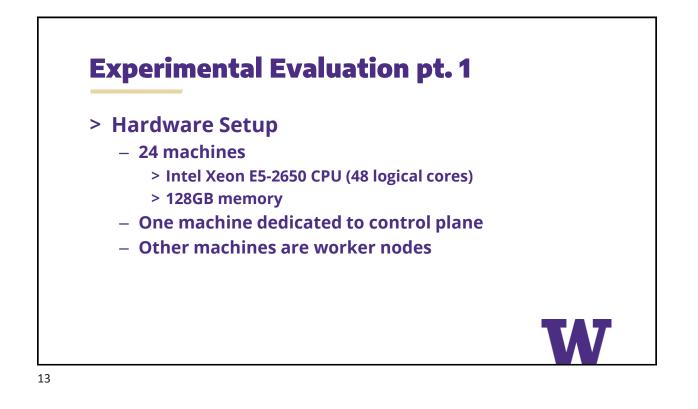


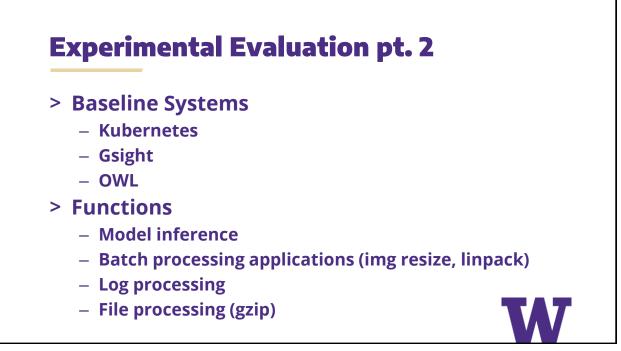


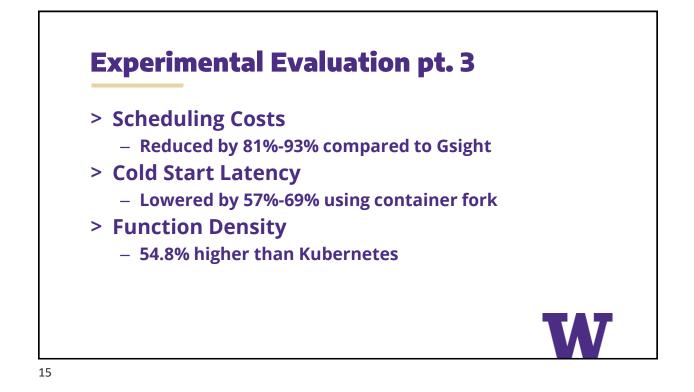


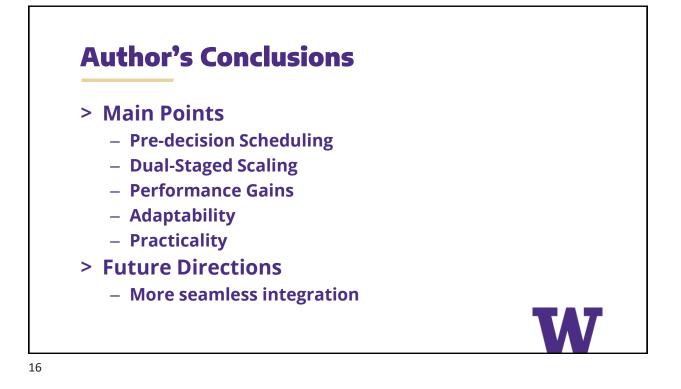


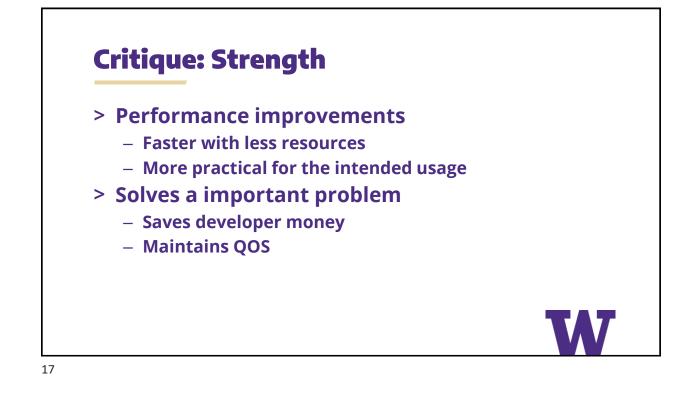


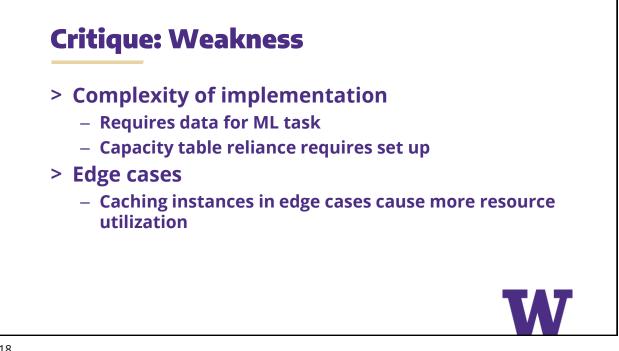


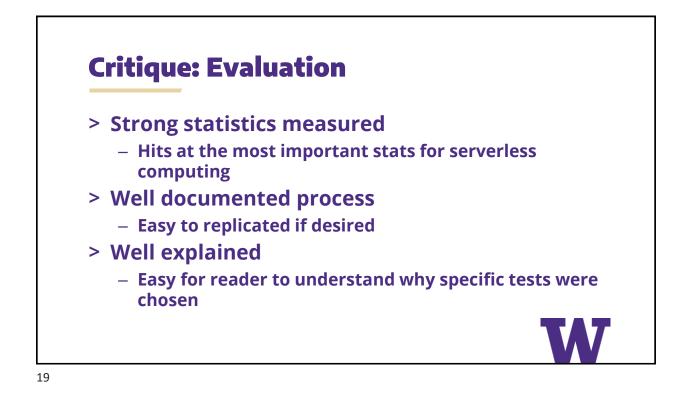


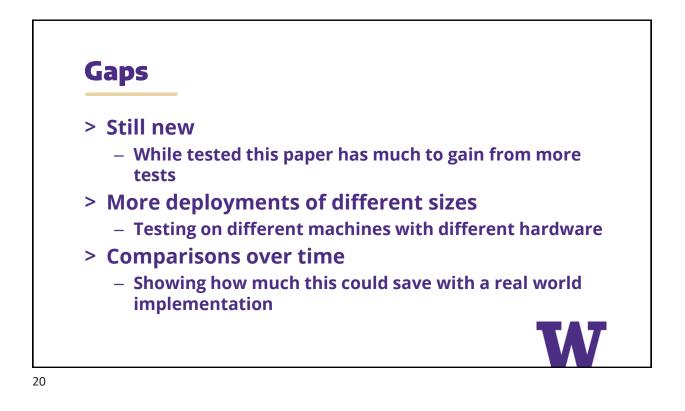












Questions??

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