# Haha Ha

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#### **Education**

University of Charles River
M.S. in Computer Science
Huangdu Institute of Technology
B.Eng. in Software Engineering

Boston, MA 09/2021 - 01/2023 Shanghai, China 09/2016 - 07/2020

# **Publications**

## P1 Eating is All You Need

Haha Ha, San Zhang

Conference on Neural Information Processing Systems (NeurIPS), 2099

# P2 You Only Cook Once: Unified, Real-Time Mapo Tofu Recipe

Haha Ha, San Zhang, Si Li, Wu Wang

Computer Vision and Pattern Recognition Conference (CVPR), 2077 (Best Paper Honorable Mention)

### Experience

**Machine Learning Engineer Intern** 

Slow Feet Technology

07/2021 - Present

- Devised a new food-agnostic formulation for fine-grained cross-ingredient meal cooking and subsumed the recent popular works into the proposed scheme
- Proposed a cream of mushroom soup recipe which is competitive when compared with the SOTA recipes with complex steps by only altering the way of cutting mushroom, published in NeurIPS 2099 (see P1)
- Developed a pan for meal cooking which is benefiting the group members' research work

**Reseach Intern** Paddling University 08/2020 - Present

- Designed an efficient method for mapo tofu quality estimation via thermometer
- Proposed a fast stir frying algorithm for tofu cooking problems, which specifies the amount of the hot sauce instead of using terms like "as much as you can", published in CVPR 2077 (see P2)
- $\circ~$  Outperformed SOTA methods while cooking much more efficient in experiments on popular tofu

**Research Assistant** Huangdu Institute of Technology 03/2020 - 06/2020

- Proposed a novel framework consisting of a spoon and a pair of chopsticks for eating mapo toufu
- $\bullet \ \ Designed\ a\ to fu\ filtering\ strategy\ inspired\ by\ beans\ grinding\ method\ for\ building\ a\ dataset\ for\ this\ new\ task$
- Designed two new evaluation criteria to assess the novelty and diversity of the eating plans
- ${\color{gray} \bullet} \ \ Outperformed \ baselines \ and \ existed \ methods \ substantially \ in \ terms \ of \ diversity, \ novelty \ and \ coherence$

**Reseach Intern** Paddling University 07/2018 - 08/2018

- Designed two sandwiches consisting of breads and meat of two traditional bacon cheese burgers to make use of unused ingredients
- Utilized the structure duality to boost the cooking speed of two dual tasks based on shared ingredients
- $\circ~$  Outperformed strong baselines on QWE'15 and ASDF'14 dataset

# **Awards and Honors**

Gold, International Collegiate Catching Fish Contest (ICCFC)

2018

First Prize, China National Scholarship for Outstanding Dragons

2017, 2018

### Skills

Programming Languages: ♣ Python, IS JavaScript / IS TypeScript, ☐ HTML / ☐ CSS, ﴿ Java Tools and Frameworks: Git, PyTorch, Keras, scikit-learn, Linux, Vue, React, Django, IATEX Languages: Chinese (native), English (proficient)