Olivia Weng

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Education

University of California, San Diego	
PHD *(In progress)*, Computer Science and Engineering	2020 - 2026 (expected)
Advisor: Ryan Kastner	
The University of Chicago	
BS, Computer Science *spec.* Computer Systems	2016 - 2020

Research Experience

The University of Chicago	April 2019 - Jan 2020
Research Assistant	
Advisor: Andrew A. Chien	
The University of Chicago	March 2018 - Jan 2020
Research Assistant	
Advisor: Yanjing Li	

Employment

The University of Chicago	Jan 2017 - Jun 2020
Computer Lab Tutor	
Braintree	Jun 2019 - Aug 2019
Software Engineer Intern	
The University of Chicago	Jun 2018 - Sep 2018
Research Assistant	
Advisor: Yanjing Li	
Gridless Power Corporation	Jun 2017 - Aug 2017
Software Intern	

Workshop Publications

1. **Evaluating Achievable Latency and Cost: SSD Latency Predictors** AccML 2020
   Olivia Weng and Andrew A. Chien.
   In *Workshop on Accelerated Machine Learning (AccML)*
   at *High Performance Embedded Architectures and Compilers (HiPEAC).*
   Bologna, Italy, January 2020.

Workshop Extended Abstracts

1. **Hardware-efficient Residual Networks for FPGAs** SLOHA 2021
   Olivia Weng, Alireza Khodamoradi, and Ryan Kastner.
   In *Workshop on System-level Design Methods for Deep Learning on Heterogeneous Architectures (SLOHA)*
   at *Conference on Design, Automation and Test in Europe (DATE).*
   Grenoble, France, February 2021.

Presentations

Hardware-efficient Residual Networks for FPGAs
SLOHA 2021, Virtual   February 5, 2021

Evaluating Achievable Latency and Cost: SSD Latency Predictors
AccML 2020, Bologna, Italy   January 20, 2020

Awards

Jacobs School of Engineering Fellowship   2020 - 2022
University of California, San Diego

Kunzel Powell Fellowship   2020 - 2021
University of California, San Diego

Dean's Fund for Undergraduate Research   2020
The University of Chicago

Dean's List   2017, 2018, 2019
The University of Chicago

Grace Hopper Conference Scholarship   2018
The University of Chicago

Teaching

CMSC 15400: Introduction to Computer Systems – *Grader*	Spring 2020
CMSC 15200: Introduction to Computer Science II – *Grader*	Summer 2018, Winter 2019
CMSC 22200: Computer Architecture – *Grader*	Spring 2018
CMSC 16100: Honors Introduction to Computer Science I – *Grader*	Autumn 2017

Service

ACM-W@UChicago Mentorship Program, Undergraduate Mentor   May 2018 - Jun 2020
· Guided Neha through how to start research and secure a research advisor, pointing her to various professors in the department with whom she could potentially work—she worked with Professor Shan Lu
· Supported and checked in with Melanie as she went through the internship recruiting process and the CS major at UChicago, reviewing her resume and helping her select classes

CS Student Activities Council, Student Representative   Sep 2017 - Jun 2020
· Secured funding to support four computer science student organizations on campus to host events that foster collaboration and grow the undergraduate tech community at UChicago

Asynchronous Anonymous, Director   Jan 2017 - Jun 2020
· Coordinated weekly tech talks given by a diverse set of undergraduates, elevating minority speakers, to build an inclusive tech community at UChicago, engaging students with new technologies

Society of Women Engineers' Girls' Day in STEM, Volunteer   May 2019
· Created a workshop that taught basic cryptography topics, in which 50 middle and high school girls participated
· Facilitated a discussion on diversity and what it means to be a woman in STEM among a group of 7 local Chicago middle school girls

compileHer Tech Capstone 2019, Volunteer   Apr 2019
· Led a group of 12 local Chicago middle school girls through interactive workshops that introduced select computer science topics, guiding them through completing each activity

ACM-W@UChicago, Board Member   Jan 2017 - Jun 2018
  · Organized study breaks and student panels in committee of five women computer science majors weekly
    to bring women and minority computer science community together and discuss diversity issues in the
    tech industry

Extra-curricular Activities

University Theater, Actor   Jan 2020 - Jun 2020
University Double Woodwind Quintet, French horn player   Apr 2018 - Jun 2018
University Symphony Orchestra, French horn player   Oct 2017 - Jun 2018
University Chamber Orchestra, French horn player   Oct 2016 - Jun 2017
Taiwanese-American Student Association   Oct 2016 - Jun 2020
  Events chair, Family head, Advisory board