

# Olivia Weng

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## Education

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### University of California, San Diego

PhD (*In progress*), Computer Science and Engineering

Advisor: Ryan Kastner

2020 - 2026 (expected)

### The University of Chicago

BS, Computer Science *spec.* Computer Systems

2016 - 2020

## Research Experience

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### The University of Chicago

Research Assistant

Advisor: Andrew A. Chien

April 2019 - Jan 2020

### The University of Chicago

Research Assistant

Advisor: Yanjing Li

March 2018 - Jan 2020

## Employment

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### The University of Chicago

Computer Lab Tutor

Jan 2017 - Jun 2020

### Braintree

Software Engineer Intern

Jun 2019 - Aug 2019

### The University of Chicago

Research Assistant

Advisor: Yanjing Li

Jun 2018 - Sep 2018

### Gridless Power Corporation

Software Intern

Jun 2017 - Aug 2017

## Workshop Publications

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

## Workshop Extended Abstracts

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

## Awards

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<b>Jacobs School of Engineering Fellowship</b> University of California, San Diego	2020 - 2022
<b>Kunzel Powell Fellowship</b> University of California, San Diego	2020 - 2021
<b>Dean's Fund for Undergraduate Research</b> The University of Chicago	2020
<b>Dean's List</b> The University of Chicago	2017, 2018, 2019
<b>Grace Hopper Conference Scholarship</b> The University of Chicago	2018

## Teaching

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

## Service

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<b>Society of Women Engineers' Girls' Day in STEM</b> , Volunteer	May 2019
<ul style="list-style-type: none"><li>· Created a workshop that taught basic cryptography topics, in which 50 middle and high school girls participated</li><li>· 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</li></ul>	
<b>compileHer Tech Capstone 2019</b> , Volunteer	Apr 2019
<ul style="list-style-type: none"><li>· 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</li></ul>	
<b>ACM-W@UChicago Mentorship Program</b> , Undergraduate Mentor	May 2018 - Jun 2020
<ul style="list-style-type: none"><li>· 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</li><li>· 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</li></ul>	
<b>CS Student Activities Council</b> , Student Representative	Sep 2017 - Jun 2020
<ul style="list-style-type: none"><li>· 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</li></ul>	
<b>Asynchronous Anonymous</b> , Director	Jan 2017 - Jun 2020
<ul style="list-style-type: none"><li>· 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</li></ul>	
<b>ACM-W@UChicago</b> , Board Member	Jan 2017 - Jun 2018
<ul style="list-style-type: none"><li>· 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</li></ul>	

## Extra-curricular Activities

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