

Max Smith

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EDUCATION

Ph.D., Computer Science University of Michigan	Expected Apr 2022 Ann Arbor, MI
B.S.Eng, Computer Science, <i>Summa Cum Laude</i> University of Michigan	Sep 2014 – Dec 2016 Ann Arbor, MI

EXPERIENCE

Visiting Student Researcher Université de Montréal	May 2017 – Aug 2017 Montréal, QB
Software Engineering Intern Google	May 2016 – Aug 2016 Mountain View, CA
<ul style="list-style-type: none">– Expanded conversion model to use advanced features improving model performance.– Implemented RPC for serving simulation data to partners.	
Undergraduate Research Assistant University of Michigan, PI: Honglak Lee	Jan 2015 – Apr 2016 Ann Arbor, MI
<ul style="list-style-type: none">– Collaborated on grabcut segmentation and feature management tool.– Worked on CNN to identify medical wounds and phases of healing.	
R&D Intern Sandia National Laboratories	May 2015 – Jul 2015 Livermore, CA
<ul style="list-style-type: none">– Designed and implemented pointwise learning to rank solution for system models.– Created census data model utilizing geographic queries for demographics.	
Research Aide II Michigan State University, CREATE for STEM Institute	Aug 2013 – May 2014 East Lansing, MI
<ul style="list-style-type: none">– Documented and studied successful pedagogies while sitting in on various STEM classes.– Built tools to clean survey & note data from hours of work into seconds.	

TEACHING

Graduate Student Instructor University of Michigan	Sep 2017 – Apr 2018 Ann Arbor, MI
EECS 498/598: Reinforcement Learning [†]	Fall 2017
Instructional Aide University of Michigan	Sep 2015 – Dec 2016 Ann Arbor, MI
EECS 280: Programming and Data Structures	Fall 2016
EECS 280: Programming and Data Structures	Winter 2016
EECS 398: Computing for Computer Scientists [†]	Winter 2016
EECS 280: Programming and Data Structures	Fall 2015

[†]First offering of course

AWARDS & HONORS

EECS Outstanding Research Award	Mar 2016
3rd Place, ITS Mobile Apps Challenge	Apr 2015
1st Place, Microsoft Developer's Challenge	Dec 2014

PROFESSIONAL SERVICE

Advisor, Michigan Data Science Team
CIFAR Reporter, Deep Learning Summer School

2017–
2017

PUBLICATIONS

Peer-reviewed Publications

- [1] **M. Smith**, A. Giugliano, and A. DeOrio. “Long Term Effects of Pair Programming”. In: *IEEE Transactions on Education (Special Issue: Computing in Engineering)* (2017).
- [2] C. Wang, X. Yan, **M. Smith**, K. Kochhar, M. Rubin, S. Warren, and L. Honglak. “A Unified Framework for Automatic Wound Segmentation and Analysis with Deep Convolutional Neural Networks”. In: 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC). 2015.

Unpublished

- [3] M. Azab, M. Wang, **M. Smith**, J. Deng, and R. Mihalcea. “Speaker Naming in Movies”. 2017.