# EDWARD SUN

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es2k.github.io

## EDUCATION

**University of Michigan, Ann Arbor** *September 2018 - May 2021*
*Computer Science and Math* *GPA: 4.0/4*
**EECS 442** Computer Vision, **445** Machine Learning, **485** Web Systems, **Math 425** Probability Theory, **Stats 426** Statistics Theory, **Math 465** Introduction to Combinatorics

## PUBLICATIONS

**EMO: Real-Time Emotion Recognition from Single-Eye Images for Resource-Constrained Eyewear Devices**
Hao Wu, Jinghao Feng, Xuejin Tian, **Edward Sun**, Yunxin Liu, Bo Dong, Fengyuan Xu, Sheng Zhong.
In *ACM International Conference on Mobile Systems, Applications, and Services (MobiSys 2020).*

**Broken Relationship of Mobile User Intentions and Permission Control of Shared System Resources**
Hao Wu, Zheng Qin, Xuejin Tian, **Edward Sun**, Fengyuan Xu, Sheng Zhong.
In *IEEE Conference on Dependable and Secure Computing (DSC 2019).*

**Towards Universal Evaluation of Image Annotation Interfaces**
Andrew Vernier, Jean Song, **Edward Sun**, Allison Kench, Walter Lasecki.
In *Proceedings of the ACM Symposium on User Interface Software and Technology (UIST 2019).*

## WORK EXPERIENCE

**IBM Research** *June 2020 - September 2020*
*Intern* *San Jose, CA*

**Amazon AWS** *May 2019 - August 2019*
*Software Development Engineer Intern* *Herndon, VA*

**Michigan Medicine** *May 2020 - Present*
*Research Assistant* *Ann Arbor, MI*

**Artificial Intelligence Lab, University of Michigan** *Dec 2018 - May 2020*
*Research Assistant* *Ann Arbor, MI*

**State Key Laboratory of Novel Software Technology, NJU** *June 2017 - September 2019*
*Research Intern* *Nanjing, China*

## ACTIVITIES AND PROJECTS

**UM Programming Team:** Competing in the International Collegiate Programming Contest (ICPC).

**Michigan Hackers:** Launched the React Native team to teach programmers mobile app development.

**StockWise, MHacks 11:** Applied ML and sentiment analysis to create a stock market assistant that predicted price movement through TensorFlow and GCP. 1st place Goldman Sachs competition.

**Large Band Gap Topological Insulators of Bi:** Modeled spin-orbit coupling in quantum spin hall effect of 2D bismuth TIs. Presented to visitors from international research institutions.

## AWARDS

Bernard J. and Ronni S. Lacroute Scholarship *2019, 2020*
James B. Angell Scholar *2020*