

# Swan Htun

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## Education

### UNIVERSITY OF ILLINOIS

**Bachelor of Science, Engineering Physics**

December 2019

### Santa Fe College

**A.S in Engineering, Highest Honors**

May 2017

## Extra-curricular Activities

Women in Engineering

Engineering Club at Santa Fe College

Phi Theta Kappa

Honors Society at Santa Fe College

Global Society (Model UN) at Santa Fe College

August 2017 - Present

January 2016 - May 2017

August 2015 - May 2017

January 2015 - May 2017

January 2015 - May 2017

## Honors and Awards

James Gregg Honors Scholarship

May 2015 - May 2017

## Research & Teaching Experience

### National Institutes of Health

**NIH Intramural Research Training Award**

**Bethesda, Maryland**

Summer 2017

- Completed independent research project in Dr. Teresa M. Przytycka's group under mentorship of Dr. Yoo-Ah Kim at the National Center for Biotechnology branch.
- My project focused on the integrated analysis of cancer mutations and drug-gene interactions for targeted therapy using Python and Cytoscape.

### Mathematics Tutor — Santa Fe College

August 2016 - May 2017

- Helped students understand mathematical concepts and guide them through problems in Calculus II, Calculus I, and College Algebra, Trigonometry, Pre-calculus.

## Skills

**Technical:** Java, Python, HTML, CSS

**Applications:** Cytoscape, MS Office

**Second Language:** Burmese

## **Conferences**

National Society of Black Physicists Fall Conference at Fermilab

October 27 - 30 2016

## **Community Outreach**

**Alachua County Public Schools**

August 2014 - May 2017

- Volunteer interpreter from Burmese to English.
- Helped students with their classwork and preparation for exams for mathematics and science.

**Samuel P. Harn Museum of Art**

Summer 2015 & 2016

- Volunteer to coordinate the museum nights by participating at weekly meetings to brainstorm ideas and find the best means to organize museum events within the budget.

**Guana Tolomato Matanzas National Estuarine Research**

Spring Break 2015

- Volunteer to help nourish the marine habitat and to preserve the intercostal waterway at Guana River.