Corona Tsai

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EDUCATION

University of Illinois, Urbana-Champaign, IL — *BS Computer Science*
(expected) MAY 2021

Illinois Mathematics and Science Academy, Aurora, IL
JUNE 2017

EXPERIENCE

Illinois Mathematics and Science Academy, Aurora, IL — *Student Researcher*
SEPTEMBER 2015 - MAY 2017

- ❖ Collaborated with partners at the High School Affiliated with Renmin University of China to synthesize compounds with improved explosives detecting abilities as compared to industry standard
- ❖ Analyzed and interpreted data from Nuclear Magnetic Resonance and Infrared spectrometers
- ❖ Presented research at IMSAloquium in April of 2016 and April of 2017
- ❖ Published research paper in DigitalCommons@IMSA database

COMMUNITY INVOLVEMENT

Formosa Association of Student Cultural Ambassadors (FASCA) — *Vice President*
SEPTEMBER 2015 - MAY 2017

- ❖ Strengthened the relationships between over 100 active member of the Chicago and Michigan chapters
- ❖ Organized and facilitated bi weekly meetings
- ❖ Dealt with logistics for Chicago chapter's participation in Chicago's Thanksgiving Parade

Chinese North Suburban Chinese School (CNSCS) — *Teaching Assistant*
AUGUST 2014 - PRESENT

- ❖ Assisted teachers with instructional materials, classroom management, and proctoring and grading exams
- ❖ Responsible for end of term report cards, weekly email updates for parents and guardians as well as general record keeping duties
- ❖ Assisted with organizing Chinese New Year performance at Schaumburg's Prairie Center for the Arts

IMSA Student Productions — *Photographer and Videographer*
AUGUST 2016 - MAY 2017

- ❖ Covered various on-campus events and contributed photos to the yearbook
- ❖ Learned Capture One and Adobe Premiere Pro editing software
- ❖ Participated as a videographer and video editor in a student led short film production submitted to the Aurora Short Film Festival

SKILLS

Computer Languages: Java, HTML5, Python
Human Languages: English, Mandarin, French

ACTIVITIES & HOBBIES

Society of Women Engineers
Information and Marketing Committee Chair | SEPT 2017 - PRESENT

Women in Computer Science
Member | FALL 2017 - PRESENT

Association of Computing Machinery
Member | FALL 2017 - PRESENT

Badminton team/club
Member | 2014 - PRESENT

Harp
Harpist | 2008 - PRESENT

AWARDS

PygHack | Pixo Prize | SEPT 2017

National Merit Scholar Finalist | 2017

President's Volunteer Service Award | 2015 & 2016

National AP Scholar | 2016