

Teng-Jui Lin

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Education

University of Washington <i>Seattle, WA, USA</i>	Sep 2019 – Present
<ul style="list-style-type: none">• B.S. in Chemical Engineering, Nanoscience and Molecular Engineering Option, with Departmental Honors• Minor in Applied Mathematics and Chemistry• Expected Graduation: June 2023• GPA: 3.96/4.0	
Brown University <i>Providence, RI, USA</i>	Jun 2018 – Aug 2018
<ul style="list-style-type: none">• Pre-Baccalaureate Program	
Kinglee High School <i>Zhengzhou, Henan, China</i>	Sep 2013 – Jun 2019

Professional Experience

Undergraduate Research Assistant	Nov 2020 – Present
<i>Department of Chemical Engineering, University of Washington, PI: Elizabeth Nance</i>	
<ul style="list-style-type: none">• Mastered the application of Visually Aided Morpho-Phenotyping Image Recognition (VAMPIRE) for quantitative microglial shape analysis• Developed VAMPIRE analysis Python API for modular integration to fluorescent image analysis workflow• Scanned 102 murine breast cancer tissue slices using confocal microscope (24.5 hr) for collaborators• Surveyed literature regarding cell segmentation, morphological analysis, and image-based profiling	

Honors & Awards

C-HACK 2022 Team 1st Place <i>Department of Chemical Engineering, University of Washington</i>	Jan 2022
Mary Gates Research Scholarship <i>Mary Gates Endowment for Students, University of Washington</i>	Dec 2021
Dan Evans Term Scholarship <i>Department of Chemical Engineering, University of Washington</i>	May 2021
C-HACK 2021 Team 3rd Place <i>Department of Chemical Engineering, University of Washington</i>	Jan 2021
2 Annual Dean's Lists <i>University of Washington</i>	2020, 2021
Discovery Fair 1st Place <i>Kinglee High School</i>	May 2019
Peer Tutor Award <i>Kinglee High School</i>	May 2019
Science Fair Award 2nd Place <i>Kinglee High School</i>	Jun 2018
Peer Tutor Award <i>Kinglee High School</i>	May 2018
Merit Student of Zhengzhou City <i>Zhengzhou Municipal Education Bureau</i>	Apr 2018
Science Fair Award 1st Place <i>Kinglee High School</i>	Jun 2017

Presentations

Presenting Author [^]	
2. T.-J. Lin[^] , H. Helmbrecht, E. Nance. Incorporating Visually Aided Morpho-Phenotyping Image Recognition into Robust Microglial Shape Analysis. <i>Undergraduate Research Symposium, University of Washington, Seattle, WA, USA.</i> May 2022.	
1. T.-J. Lin[^] , H. Helmbrecht, E. Nance. Robust Microglial Shape Analysis using Visually Aided Morpho-Phenotyping Image Recognition. <i>AIChE Pacific Northwest Student Regional Conference, Seattle, WA, USA.</i> Apr 2022.	

Teaching Experience

Calculus Teaching Assistant	Sep 2018 – May 2019
<i>Kinglee High School</i>	

- Gave AP Calculus AB lectures 4 hours weekly to 5 students in alignment with CollegeBoard curriculum
- Clarified complex concepts and common confusions about calculus with classroom activities
- Worked with supervisor to design and grade concept checks, homework, and quizzes with tight deadlines

Service

Secretary

May 2021 – Present

Women in Chemical Engineering, University of Washington

- Kept transparent meeting records, managed member email list, and maintained student group registration
- Composed biweekly newsletters to 400+ members to update events, resources, and diversity highlights

Research and Development Officer

Apr 2020 – Jun 2021

Chinese Students and Scholars Association, University of Washington

- Designed, crafted, and edited posters and videos for major events, such as Student Orientation Programs
- Assisted in maintenance of official blog and website to provide resources based on students' need

Maple Hall Council SEED Representative

Oct 2019 – Mar 2020

Housing and Food Services, University of Washington

- Led committee meetings and planned campus-wide competition that raised waste sorting awareness
- Attended weekly hall council and SEED meetings to liaise feedback and updates on activities and initiatives

Peer Tutor of Math, Science, and English

Sep 2016 – Jun 2019

Kinglee High School

- Taught active reading and note-taking strategies to English as a second language (ESL) students
- Reviewed course notes, clarified complex concepts, and provided feedback for course assignments
- Received 2 Peer Tutor Awards in recognition of outstanding contribution to the peer tutoring program

Student Council Historian and Secretary

Oct 2017 – Jun 2019

Kinglee High School

- Prepared, coordinated, and executed activities, including Halloween activities, Thanksgiving Bonfire Nights, Christmas celebrations, Spirit Weeks, and Academic Integrity Seminar
- Drafted, edited, and updated activity proposals and meeting minutes for iterative improvement of execution
- Raised 1000+ CNY funds and 200+ books for children in need with fundraising events

Lab Peer Supervisor

Mar 2017 – Mar 2019

Kinglee High School

- Supervised biology, chemistry, and physics lab practices of 9th-grade students for Zhongzhao Examination
- Taught lab safety guidelines, standard lab procedures, and best practices, as well as ensured lab safety