

# William L. Chen

Email: [wchen4@andrew.cmu.edu](mailto:wchen4@andrew.cmu.edu) | +1 (412) 315-8552 (USA) | +886 919-585-642 (Taiwan)

<http://www.linkedin.com/in/williamchentw>

U.S. and Taiwan Citizen

## EDUCATION

---

<b>Carnegie Mellon University</b> , Pittsburgh, PA, USA	August 2021 -- May 2025
Bachelor of Science, Electrical and Computer Engineering	
<b>Courses:</b> Computer Systems, Electronic Devices, Signals and Systems, Imperative Programming, Mathematical Foundations of ECE, Fundamentals of Programming and CS, Intro to ECE, Concepts of Math, Intro to BME	
<b>Taipei American School</b> , Taipei, Taiwan	August 2017 -- June 2021

## EXPERIENCES:

---

<b>PrepMasters Institute</b> , Taipei, Taiwan	June 2022 – July 2022
Head Math Instructor at PrepMasters Institute	
<ul style="list-style-type: none"><li>Devised curriculum and taught math to 40 high school students in preparation for the SAT.</li></ul>	
<b>Academia Sinica</b> , Taipei, Taiwan	June 2019 – August 2020
Research Intern at the Genomics Research Center	
<ul style="list-style-type: none"><li><b>Research goal:</b> Using nanocomposites to improve treatment of glioblastoma multiforme.</li><li><b>Responsibilities:</b> Cell culture, orthotopic &amp; IV injections, nanomaterial synthesis, microscopy, MRI, etc.</li></ul>	

## LEADERSHIP:

---

<b>Public Relations Head &amp; Representative, CMU Taiwan Students Assc.</b>	Aug 2021 – Present
Coordinate Culture Night Performances, TSA Ski Trip (a 3-day 40-person ski-trip), weekly general body meetings, TSA Banquet, and building of the TSA booth.	
<b>Founder &amp; President, Flag Football Club</b>	Aug 2019 – Jun 2021
Coordinated weekly flag football games, managed social media.	
<b>Captain, Varsity Track &amp; Field and Varsity Tennis</b>	Oct 2017 – Jun 2021
Led trainings, represented Taipei internationally. School 110-meter hurdles record breaker.	
<b>Treasurer &amp; Instructor, World of Enrichment</b>	Aug 2018 – Jun 2021
Organized fundraisers. Taught English weekly at local elementary school.	

## PROJECTS:

---

<b>2K112 Head Soccer</b> , Carnegie Mellon University	Fall 2021
Synthesized two video games (Head Soccer and NBA2K) together implemented in Python for CMU 15-112.	
<b>Features:</b> Functional opponent AI, multiplayer mode, ball physics, gravity, character movement.	
<b>ASIP Experimental Biology 2020 Oral Presentation</b> , San Diego Convention Center	April 2020
Presenting author for research paper on use of nanocomposites to improve treatment of glioblastoma. Published in FASEB journal. All expenses covered by Academia Sinica, but convention canceled due to COVID a month prior.	
<b>Research Paper Reviser</b> , Academia Sinica & Other Research Institutes	June 2019 – June 2021
Assisted non-English fluent researchers to write and revise research papers to be published into journals.	
<b>Graphene Supercapacitors Research</b> , Taipei American School	August 2018 – June 2019
Researched materials to optimize energy density and environmental sustainability of graphene supercapacitors.	

## HONORS AND AWARDS:

---

**Spirit of IASAS** (2 athletes awarded out of 96 for character and sportsmanship), **IASAS Scholar-Athlete**, **TAS Honor Roll**, **TAS T&F Record Holder**, **AP Scholar w/ Distinction**, **National Honor Society**

## SKILLS

---

<i>Languages:</i>	English (native), Mandarin (native)
<i>Programming:</i>	C, Python, Java, LaTeX, MATLAB
<i>Skills:</i>	Teamwork, communication, leadership, problem solving