

# Claire King

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Computer Science and Neuroscience double major (May 2027) with research experience in computational biophysics on neurodegenerative disease mechanisms. Combines analytical problem-solving with leadership and mentorship, fostering collaborative lab and community environments.

## EDUCATION

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### Trinity University

Expected Graduation: May 2027

- Neuroscience and Computer Science double major
- Researcher in Dr. Kwan Cheng's Computational Biophysics Neuroscience Lab investigating Alzheimer's disease.
- Chinese Language & Culture Association Vice President
- Clare Booth Luce Research Fellow (Fellowship Awardee Under the Henry Luce Foundation)

### Newport High School

- Class President & Link Crew Leader advocating for relationship building and equity through community events and fundraising. Awarded the Knight Valor award for over 150 recorded community service hours (2019-2023).

## PRESENTATIONS

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| • James L. Roberts Memorial Symposium (2nd Place Poster Presentation Award) | Oct. 2025 |
| • UTSA Chemistry Undergraduate Research Showcase                            | Oct. 2025 |
| • Trinity University Summer Undergraduate Research Fellowship Symposium     | Jul. 2025 |

## ADDITIONAL ACTIVITIES

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### Future Problem Solving Competitor | FPSPI

Sept. 2014 – Mar. 2023

- Researched subjects such as neurotechnology, antibiotic resistance, infectious diseases, and terraforming in a team setting
- Identified challenges, developed and evaluated solutions, and formed an action plan on researched subjects in two hours.
- Global Issues International Champion - ranked 6th out of >3,000 students at the International Competition (2022)
- Global Issues State Champion - ranked 1st out of 100s of students at the WA State Competition (2017, 2020, 2021, 2022)

### Mechanical Lead/Safety Captain | Newport Robotics Group FRC #948/Rose Dragons FTC #12506

Sept. 2019 – Jan. 2023

- Mentored incoming students in learning the engineering process and the proper use of power tools
- Worked in a team setting to create a functional competition robot within a 3-month time constraint.

## COMMUNITY SERVICE

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### Coach & Evaluator | Future Problem Solving Program International

Sept. 2020 – June 2023

- Guiding middle school youth aged 10-13 on the FPSPI 6-step Future Problem Solving Process, coaching students to think creatively, conduct research, and use writing skills to elaborate on ideas.
- Students advanced from competing locally to competing and ranking in the top 5 internationally.
- State and internationally certified evaluator

## WORK EXPERIENCE

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### Resident Assistant Manager

February. 2026 – Present

Trinity University Residential Life | San Antonio, TX

- Mentored and supervised a team of Resident Assistants by conducting monthly meetings, providing ongoing feedback and accountability, supporting conflict mediation, and guiding staff in incident reporting, room checks, etc.
- Led community development and programming initiatives by coaching RAs on intentional program design, training, large-scale events, facilitating staff development, and fostering inclusive residential communities.

### Resident Assistant

April. 2024 – Present

Trinity University Residential Life | San Antonio, TX

- Serving as a mentor and role model for 30 upper-division & first-year residents in a vibrant community of 700+ students.
- Fostering a safe and welcoming environment through event planning, conflict resolution, and proactive support.

### Student Market Worker

Aug. 2023 – Present

Chartwells Higher Education Dining Services @ Trinity University | San Antonio, TX

- Assisting students, staff, and visitors in the checkout process at Coates Market with new AI checkout technology

### Swim Instructor & Mini's Camp Lead

Jun. 2022 – Aug. 2024

Coal Creek YMCA | Newcastle, WA

- Provided comprehensive lessons to a diverse range of individuals aged 6 months to 60+ years
- Red Cross First Aid and CPR Certified