CLAIRE VLASES

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EDUCATION

Claremont McKenna College, Claremont, CA   **May 2025**
Bachelor of Arts Dual Major in Computer Science and Philosophy, Minor in Ethics (GPA: 3.6 / 4.0)
- Relevant Coursework: Data Structures and Program Development; Calculus III; Discrete Mathematics; Logic Automata and Computing; Relational Database Systems (SQL); Philosophy of AI'
- Projects: Snake Game AI (Python); Animation (C++); Single-Player Story Game (Java), Web Game (ReAct)
- Semester Study Abroad: University of Canterbury, New Zealand; July - December 2023

HONORS & RECOGNITIONS

Free Expression Awardee, Freedom Forum, *recognizing international heroes for courageous acts of free expression*   June 2024
Person of the Year: Earth Award, TIME Magazine, *inaugural award for influencing the future of the planet*   Dec 2023
Outsider of the Year, Outside Magazine, *chosen for bravery, tenacity, and strength*   Apr 2023
Published Author, Wildflowers of Montana, *hand-drawn field manual, commissioned by the Gould Center for Humanistic Studies*   July 2023
Coke Scholar, Coca-Cola Foundation, *recognized for capacity to lead and serve, and making a significant impact on my community*   Nov 2021
Burger King Scholar, Burger King Foundation, *providing educational support for high achieving students*   Nov 2021
Youth Ambassador, US State Department, *promoting mutual understanding, leadership skills, and making a difference*   May 2020
Gloria Barron Prize Awardee, Gloria Barron Prize for Young Heroes, *celebrates inspiring, public-spirited young internationally*   July 2018

EXPERIENCE

Claremont McKenna College – Claremont, CA   **Dec 2023 – Present**
Research Assistant
- Exploring computational approaches to redistricting in all 50 states by applying census, geographic, and segregation data
- Analyzing the properties of dual graphs such as scalar associativity and rate of diffusion with Python and Pandas

Harvey Mudd College – Claremont, CA   **Dec 2023 – Present**
Head Computer Science Tutor and Grader
- Guiding 100+ students through complex problems of logic, automata, and computability theory
- Facilitating computer science curriculum development and student accessibility needs by managing a team of 12 tutors

Boyne USA – Big Sky, Montana   **Nov 2016 – Present**
Snowsports Instructor (Seasonal)
- Instructing skiers of all levels, ages 2-50, on the technical skills of skiing while enjoying the outdoors in a safe and fun way
- Maintaining continuous training on effective teaching methods and certified PSIA Level 1

Guppy.ai – Fairfax, VA   **Sep 2022 – Present**
Technical Intern
- Developing mobile application platform leveraging blockchain for FinTech startup with Angular, JavaScript, and CSS
- Researching dark web data service to protect credit data identification from fraud for UI/UX and wireframing

Kravis Lab Center for Social Impact / Echoing Green – Brooklyn, NY   **Jan 2022 – Aug 2022**
Community Impact Research Fellow
- Consulted for an intercity school of 500+ students to standardize trauma-informed learning practices
- Devised a $2 million grant proposal to form a development center to uplift Bedford-Stuyvesant community

LEADERSHIP EXPERIENCE

Founder and President, Claremont Coding Club   **Apr 2022 – Present**
- Teaching coding classes, data analysis workshops, interview prep, and leadership development for 20+ college-aged students
- Partnered with Girls Who Code to form university support network for women in tech at all seven Claremont colleges

Executive Board Member, Claremont Colleges Ski and Snowboard Club   **Mar 2022 – Present**
- Manages $80,000 yearly scholarship budget for diversity and inclusion initiatives in winter sports
- Organizes events, fundraisers, and trips across California for 800-person club

Climate Council Appointee, City of Bozeman   **Oct 2019 – Dec 2020**
- Appointed by mayor to build a comprehensive climate plan with 16 innovative and actionable solutions
- Drafted plan to be an equitable, resilient, and 100% carbon neutral city by 2050

Founder, Solar Makes Sense Project   **Oct 2017 – Oct 2019**
- Spearheaded project to install 50kW solar panel systems on three public schools
- Raised over $120,000 through grassroots organizing and community mobilization

SKILLS & INTERESTS

- Programming Languages: C++; CSS, HTML; Java; JavaScript; Python; R; Racket; SQL
- Technical: Adobe Creative; Comp Modeling; Excel; Photoshop