DAVID CHUNG

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EDUCATION

Carnegie Mellon University   **Pittsburgh, PA**
Bachelor of Science in Information Systems, Intended Additional Major in Artificial Intelligence   *Aug 2024 - May 2028*
QPA: 3.37/4.0
Relevant Coursework: Introduction to Computer Systems, Principles of Imperative Computation, Information Systems Mileaux, Fundamentals of Programming, Concepts of Mathematics, Reasoning with Data, Differential and Integration Calculus

WORK EXPERIENCE

Computer Science Youth of America 501(c)(3)   **Remote**
Founder & Executive Director   *Feb 2023 - June 2024*
- Led a 25+ member board and secured $280,000+ in sponsorships and 15 partnerships to fund and manage initiatives. In less than a year, provided free CS classes to 950+ students from 25+ countries and received 100,000+ impressions.
- Launched and managed a 4-week programming class and a 5-week mentored research program led by professors in CS.
- Directed two hackathons with 350+ participants. Coordinated speakers and judges from universities and industry leaders. Secured features on local TV and newspaper to increase presence.

UC Riverside Professor Weiwei's Psychology Lab   **Riverside, CA**
Machine Learning Research Intern   *May 2023 - Jan 2024*
- Investigated multiple deep learning methods to find a way to analyze working memory by measuring pupil dilation.
- Reviewed previous study and developed new technical approaches to analyzing working memory.

UC Riverside Professor Roy-Chowdhury   **Riverside, CA**
Research Intern   *Nov 2022 - Mar 2023*
- Developed a deep residual neural network fall detection model using Python, Pytorch, and Pandas.
- Invited to present findings at Cal State University, San Bernardino, and received the Most Advanced Project award.
- Trained and refined COVID time-series forecasts for all public schools in Riverside using Python, Prophet, and Pandas.

LEADERSHIP EXPERIENCE

Voice of Calling   **Northridge, CA**
Vice President of Finance   *Aug 2023 - Aug 2024*
- Managed finance including all donations and expenditures and led multiple fundraising initiatives to generate $29,000.
- Led project management of Future of Tanzania Program, a coding camp for high school students in Tanzania, by coordinating all instructors, students and refining curriculum content. Lectured for general Python and Computer Graphics.

Riverside Youth Council   **Riverside, CA**
Secretary   *Aug 2021 - May 2024*
- Youth advisor to Mayor Patricia Lock Dawson for a city-wide summit providing mental health, financial literacy and college guidance for 300+ local high school students over the course of 3 years.
- Structured biweekly council meetings, managed councilmember performance and recorded attendance.
- Secured partnerships with various local nonprofits to help the homeless shelter program and to lead the city's MLK walk.

HONORS

Amazon Future Engineer Scholar- *National*   *2024*
Hewlett Packard Enterprise CodeWars Nationals - *Advanced Fifth and Novice Second*   *2024, 2023*
Lockheed Martin CodeQuest Advanced Internationals - *Seventh*   *2024*
American Computer Science League Internationals - *Bronze Medal*   *2023*

SKILLS, ORGANIZATIONS, INTERESTS

Technical: Python, C, JavaScript, Java, Swift, SwiftUI
Software: Xcode, VS code, Final Cut Pro, Photoshop, Lightroom, Adobe Premiere Pro, Figma, Microsoft Office
Interests: Skiing, Basketball, Bass, Photography, Violin