



## Joseph Gerard V. Ramirez

TECHNICAL  
ADVISOR

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Joseph is a Technical Advisor with a background in computer science, molecular biology, and bioinformatics. He joined Haley Guiliano shortly after graduating from the University of California, Los Angeles with a major in Computational and Systems Biology and a minor in Data Science Engineering.

He spent 3 years at UCLA as a biomedical informatics research intern under Dr. Peipei Ping. During his time, he worked on publications improving general large language models with retrieval augmented generation, specifically to answer cardiovascular medicine domain-related questions. He also used deep learning techniques to define novel classifications for proteins. Formerly, Joseph was a data science intern at Thermo Fisher Scientific where he worked on analyzing ion semiconductor sequencing performance.

Outside of research and data science, Joseph was a committee president for UCLA's Association for Computing Machinery chapter. He directed several programs that brought computer science training to Title I K-12 schools in the greater Los Angeles area.

### Related Practice Areas

- Patent Preparation and Prosecution
- Litigation and Litigation Support

### Related Industries

- Computer Technology and Software
- FinTech and Blockchain
- Medical Devices
- Biotechnology

### Languages

- Pilipino

### Publications

- A.R. Pelletier, D. Steinecke, D. Sigdel, I. Adam, J.H. Caufield, V. Guevara-Gonzalez, **J. Ramirez**, A. Verma, K. Bali, K. Downs, A. Bui, W. Wang, and P. Ping. (2023). A Knowledge Graph Approach to Elucidate the Role of Organellar Pathways in Cardiovascular Disease via Biomedical Reports. Journal of Visual Experts. 10.3791/65084.

### Memberships

- Association for Computing Machinery

## Education

- B.S., Computational and Systems Biology, 2024, University of California, Los Angeles, Cum Laude