WILSON SONSINI

Grace Liu

PATENT AGENT

Patents and Innovations

San Francisco

gliu@wsgr.com
415-947-2143

FOCUS AREAS

Artificial Intelligence and Machine Learning

Biotech

Diagnostics, Life Science Tools, and Deep Tech

Life Sciences

Patents and Innovations

Software

EXPERIENCE

Grace Liu is a patent agent in the San Francisco office of Wilson Sonsini Goodrich & Rosati, where she is a member of the patents and innovations group. Her work focuses on patent preparation and prosecution in the fields of biotechnology, genomics, protein engineering, bioinformatics, and machine learning.

Prior to joining the firm, Grace obtained an M.S. in biomedical informatics at Harvard Medical School for her work with the Dr. David Liu lab developing bioinformatics algorithms to characterize genomic changes in immunotherapy-resistant tumor samples. As an undergraduate, she worked in the Dr. Frances Arnold lab to develop machine learning models for predicting protein function and interactions.

CREDENTIALS

Education

- M.S., Biomedical Informatics, Harvard University, 2024
- B.S., Biology, California Institute of Technology, 2023

Admissions

- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author, “A combinatorially complete epistatic fitness landscape in an enzyme active site,” *PNAS,* 2024
- Co-author, “Experience-dependent plasticity in an innate social behavior is mediated by hypothalamic LTP,” PNAS, 2020

TECHNICAL FLUENCY

Biological Sciences and Biotechnology

- Cancer biology
- Genetics
- Genomics
- Immuno-oncology
- Molecular genetics
- Proteomics

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Therapeutics and Drug Discovery

- Gene editing
- Gene therapy
- Immunotherapy targets

Diagnostics and Medical Devices

- Bioinformatic
- Biomedical engineering
- Diagnostics
- Digital pathology

Chemistry and Material Science

- Chemoenzymatic synthesis
- Protein engineering
- Protein folding

Engineering and Technology

- AI
- Computer science
- Machine learning

Genomics and Data Analysis

- Bioinformatics algorithms
- Computational biology
- Next-generation sequencing
- Sequencing
- Single-cell sequencing

Miscellaneous

- Cancer
- Physiology

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