

Melinda Chang

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melindachang.com

github.com/melindachang

RESEARCH INTERESTS

- Cultural analytics, computational humanities, heritage informatics
- Natural language processing (NLP), computer vision, artificial intelligence ethics
- Programming languages, human-computer interaction

Education

2024–Present

B.A., Computer Science & English Literature

Northwestern University, Evanston, IL

GPA: 3.73, Minor in Film Studies

Selected Experience

2025–Present

UNIVERSITY OF CALIFORNIA, BERKELEY

Undergraduate Researcher, School of Information

Advisor: Prof. Timothy Tangherlini. Modeling narrative events and character interaction networks in the Icelandic saga.

Berkeley, CA

2023–2024

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Student Researcher, Programming Systems Group

Advisor: Prof. Michael Coblenz. Towards sensible, ergonomic programming languages and software processes for computational climate scientists.

La Jolla, CA

2022

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Research Assistant, Laboratory for Computational Astrophysics

Advisor: Prof. Michael Norman. Systems programming to support analysis of dark matter halos in early universe simulations.

La Jolla, CA

2022

HACK CLUB

Software Engineer Intern

Building web infrastructure for JavaScript-based game engine.

Shelburne, VT (Remote)

Publications

2024

Elizaveta Pertseva, *Melinda Chang*, Ulia Zaman, Michael Coblenz, “[A Theory of Scientific Programming Efficacy](#).” ICSE 2024 [International Conference on Software Engineering].

Awards & Grants

- 2024 Weinberg College of Arts & Sciences (WCAS) Summer Grant, \$4,000.
- 2024 National Merit Finalist.

Selected Skills

TypeScript/JavaScript, React, Svelte • Rust • C/C++ • Python • Java • Haskell • UNIX, Git.