Melody Ho

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melodyho.dev
github.com/melody-ho

SOFTWARE ENGINEER

Software engineer with junior-level experience in full-stack development. Adaptable career changer dedicated to crafting user-centric experiences. Proficient in navigating complex systems, engaging empathetically, and collaborating within cross-functional teams – a skill set cultivated from a multifaceted background in Medicine, Biology, Sociology, Film, Television, and Digital Media.

SKILLS

 - **Programming Languages:** HTML, CSS, JavaScript (*Browser, Node.js*)
 - **Technologies:** CSS Modules, React, Next.js, Express, Jest, Sequelize
 - **Databases:** SQL, MongoDB, Amazon Simple Storage Service (AWS S3)

PROJECTS AND EXPERIENCE

Independent Project – Journ: A Digital Scrapbooking Web Application   *Aug 2023 - Present*
github.com/melody-ho/journ | journ.melodyho.dev
 - Designed and developed a full-stack web application that enables users to document moments using text, images, and videos, with tagging and filtering functionality.
 - Technologies: CSS Modules, React, Next.js, Sequelize, SQL, Amazon Simple Storage Service (AWS S3)

Independent Project – Infinite: A Browser Game   *Jul 2023 - Dec 2023*
github.com/melody-ho/infinite | infinite.melodyho.dev
 - Conceptualized, built, and tested a browser puzzle game featuring a dynamically expanding hexagonal grid.
 - Technologies: HTML, CSS, JavaScript, Express, Jest

Independent Learning   *Jan 2022 - Jun 2023*
Acquired crucial knowledge and skills for transitioning to software engineering.
 - **The Odin Project**: Mastered full-stack JavaScript web development through a self-guided curriculum.
 - **Harvard CS50**: Achieved proficiency in computational thinking, data structures, and algorithms. Grasped core concepts of programming languages including C, Python, and SQL.
 - **Google UX Design**: Acquired understanding of the user experience (UX) design process and its tools.

EDUCATION

Joan & Sanford I. Weill Medical College of Cornell University   *Aug 2017 - Sep 2021*
Completed three out of four years of Doctor of Medicine (MD) program before voluntary withdrawal.

University of California, Los Angeles   *Sep 2012 - Jun 2016*
Bachelor of Science (BS) – Human Biology and Society Major | Film, Television, and Digital Media Minor
summa cum laude (GPA 3.94/4.00), College Honors, Highest Departmental Honors