

William Hsieh

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Education

University of California, Los Angeles (UCLA)

Jun 2024

B.S. Computer Science

Relevant courses: Algorithms, Software Construction, Digital Systems, Operating Systems, Computer Architecture, Machine Learning, Neural Signal Processing, Multivariable Calculus, Linear Algebra, Statistics

Projects

Digimeet

- Designed and implemented responsive webpage layout using CSS and JavaScript
- Integrated core mechanics using AWS Amplify and Ably Realtime
- Organized group progress and managed version control via Git

Coursework Projects

- Created a game with graphics library in C++ with inheritance and polymorphism
- Designed a text editor with spellcheck and undo/history features in C++
- Performed low-level refactoring for "randall" function in C, adding features and improving performance
- Wrote kernel modules to monitor system processes and implement pipe operator

Story Effects

- Wrote a Python script to process media and overlay date and time metadata
- Integrated script for a website using Flask and Repl.it
- Reduced time spent editing photos by 95%

Work Experience

BRM Scientific, LLC

Jun 2022 – present

Industrial/Product Designer

- Designed containers and specification sheets for medical products using Figma and Illustrator
- Iterated through various designs with clients worldwide

Skills

Languages

Python, C++

Activities

ACM Design

Sep 2020 – present

Marketing Director, Project Manager

- Designed graphics for all ACM sub-committees
- Managed "Westwood Sans" project and created custom display font for club
- Designed and implemented responsive Design Portal Site