

JOHN HOUSER

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EXPERIENCE

Apple

June - September 2022

Software Engineer Intern

Cupertino, California

- Gathered requirements, designed, and built a project over 14 weeks that saved users over 20 hours monthly as a SWE intern on the Video Apps Automation team
- Built a full stack desktop application using Electron, Node, React, Recoil, and Typescript that used a RESTful API to communicate with a Go server using a Postgres database
- Held meetings with stakeholders, translated user issues into solutions, delivered features, showed weekly progress updates, and presented the final project to upper management

EDUCATION

University of California, Los Angeles (UCLA)

Expected June 2023

B.S. Computer Science

Los Angeles, California

- **Cumulative GPA:** 3.73
- **Relevant Coursework:** Intro to Comp Sci, Fundamentals of Comp Sci, Computer Architecture, Algorithms, Software Tools, Operating Systems, Computer Graphics, Databases, Networking, Programming Languages, Fundamentals of AI, Computer Animation, Introduction to Machine Learning

PROJECTS

HouserJohn.com

August 2020 - Present

Developer

React, Next.js, Typescript, Tailwind CSS, Firebase

- Independently created a fully responsive website using Tailwind CSS to house my projects
- Designed the front end of the website using React and Typescript
- Hosted on Firebase with server-side rendering using Next.js

Sorting Visualizer

July 2021

Developer

React, Redux, Typescript, Styled Components, GitHub Pages

- Developed a web app to visualize sorting algorithms like Insertion, Bubble, Selection, Quick, Heap, Radix, and Merge sort
- Created a toolbar and playback interface to control the speed of the animation using React, Redux, Typescript and Styled Components

Recreationists

April 2021

4 Developers

Javascript, socket.io, Express

- Reconstructed a 3D virtual version of UCLA's campus during remote instruction on cs174a.com
- Created a multiplayer game using socket.io and a Node Express server hosted on Heroku
- Independently developed the collision detection, all networking, and the physics

RESEARCH

Scalable Analytics Institute

Feb 2020 - Present

Undergraduate Researcher

UCLA

- Worked on machine learning models on a remote server using PyTorch, TensorFlow, pandas, and scikit-learn
- Sanitized data to use in machine learning models using Bash and Python
- Classified sentiment on popular review sites for training data to use in NLP models

PUBLICATIONS

Recommend for a Reason: Unlocking the Power of Unsupervised Aspect-Sentiment Co-Extraction

2021

Co-author

UCLA ScAi

- Zeyu Li, Wei Cheng, Reema Kshetramade, **John Houser**, Haifeng Chen, Wei Wang. Recommend for a Reason: Unlocking the Power of Unsupervised Aspect-Sentiment Co-Extraction.
- In the 2021 Conference on Empirical Methods in Natural Language Processing: Findings

TECHNICAL SKILLS

- **Compiled**— C (intermediate), C++ (intermediate), Java (intermediate), Go (beginner)
- **Interpreted**— Python (intermediate), Lua (advanced), JavaScript (intermediate), Bash (intermediate)
- **Web**— React (intermediate), Redux (intermediate), TypeScript (intermediate), Recoil (intermediate)
- **Python Libraries**— PyTorch (beginner), TensorFlow (beginner), pandas (beginner), scikit-learn (beginner)