Sophia Lau

software developer & designer

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EXPERIENCE

CodeBase at Berkeley | Consulting Project Member
codebase.berkeley.edu/projects
Spring 2018 – Present

- Full-stack web application developer for Bay Area startups
- Working with a small team directed by a project manager

PROJECTS

Zumper | Machine Learning, Web Development
zumper.com
September 2018 - Present

- ML – filter messages by classifying as spam or valid; find models to accurately classify messages using SVM, bayesian predictors, decision trees, random forests, gradient-boosting, and/or logistic regression
- Web App – classify messages not accurately classified by ML models; implement a 2-user agreement for message classification
- Technologies: Scikit-Learn, Python, Flask, React

CodeBase Rebrand | Branding, Design
sophialau.me/codebase
June 2018 - August 2018

- Rebranded Berkeley CodeBase's logo and website
- Provided club with a more professional appearance to potential new members and clients for upcoming year
- Technologies: Figma, Adobe Illustrator, HTML/CSS

CodeDoor | Software Development
sophialau.me/codedoor
Jan 2018 - May 2018

- Created web application inspired by GlassDoor for CodeBase members to share their work experience and advice
- Technologies: HTML/CSS, Django, JS, React

Personal Website
sophialau.me
Fall 2017

- Personal project used as an opportunity to learn HTML/CSS
- Built entire website from scratch in 24 hours with help from StackOverflow
- Technologies: HTML/CSS, JS

EDUCATION

University of California, Berkeley
B.A Computer Science
2017 - 2021

Relevant Coursework:
- Algorithms (CS170)
- User Interface Design and Development (CS160 – Sp18)
- Artificial Intelligence (CS188 – Sp18)
- Discrete Math & Probability (CS70)
- Data Structures (CS61B)

Technologies:
- Java
- Python
- C
- HTML/CSS
- SQL
- JavaScript
- Adobe Illustrator
- Adobe Photoshop
- Adobe Lightroom
- Adobe InDesign
- Adobe Premier

CS Scholars Program
- 1/60 freshmen chosen on the basis of increasing diversity in CS, particularly first generation, minority, and socioeconomically disadvantaged students

BearMaps | CS61B
Fall 2017

- Built a web mapping application inspired by the OpenStreetMap project
- Used open-source location data to rasterize images of Berkeley, California
- Implemented autocomplete search function, shortest paths, zoom, location finder
- Technologies: Java