NANCY JI

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EDUCATION

University of California, Berkeley **May 2022**
B.A. Computer Science, Minor in Data Science **GPA:** 3.6/4.0
Relevant Coursework: Data Structures, Efficient Algorithms and Intractable Problems, Structure and Interpretation of Computer Programs, Discrete Mathematics and Probability Theory, Linear Algebra and Differential Equations, Machine Structures, Introduction to Artificial Intelligence

SKILLS

Mathematics	Discrete Mathematics, Probability and Statistics, Linear Algebra.
Programming	Excellent in Python. Proficient in Java, C, SQL, HTML, RISC-V, Scheme.
Data Analysis	Pandas, Pytorch, Model Design, Regression, Optimization, Data Cleaning.
Languages	Native in English. Fluent in French, Chinese (Mandarin).

EXPERIENCE

Lenovo **Morrisville, NC**
Software Engineer Intern (Remote: Covid-19) 06/2020 - 07/2020
· Increased efficiency and convenience by developing an internal search capability using Elasticsearch software.
· Wrote Python scripts and SQL queries to index Jira, Confluence, and employee data into Elasticsearch engine and built Lenovo-customized UI using React.

Goldman Sachs **New York, NY**
Engineering Essentials Fellow (Remote: Covid-19) 06/2020 - 07/2020
· Prepared for industry-level career and increased networking through learning about GS Connectivity, Technical Content, Interview Preparation, and GS Culture.

180 Degrees Consulting **Berkeley, CA**
Project Manager 09/2019 - present
· Decreased the global rural broadband gap by creating and implementing a web app for Microsoft Airband initiative.
· Designed a user interface, using HTML, CSS, Javascript, for Airband organizations (working to increase worldwide internet and energy access) to connect with funders.

UC Berkeley EECS Department **Berkeley, CA**
Computer Science Teaching Assistant 01/2019 - present
· Prepares students for an academic career in computer science by teaching recursion, algorithmic complexity, scoping, mutability, concurrency, programming paradigms.
· Teaches social implications of computing in topics including AI, privacy, and algorithmic bias.
· Writes Python practice problems on recursion and algorithmic complexity that are taught and covered in class.

PROJECTS

Reinforcement Learning 10/2020
· Programmed agents for a simulated robot controller and Pacman by implementing value iteration and Q-learning.

Gitlet 12/2019
· Implemented a version-control system that mimics some of the basic features of the popular system Git.
· Main functionality includes add, rm, commit, status, checkout, log, branch, and merge commands.
· Utilized serialization/deserialization, and IO file/path manipulation to retrieve objects and locally write to disk.

EXTRACURRICULAR ACTIVITIES

Cal Women's Club Volleyball: Division II of the NCCVL, competes against Bay Area schools at league level
Interests: Game of Thrones, Ocean Cleanup, Sustainable Fashion, Music Production, Running