

# PETER CHOI

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## EDUCATION

University of California, Berkeley

Expected: May 2024

Bachelor of Arts in Computer Science

**Coursework:** CS 61A (Structure and Interpretation of Computer Programs), CS 61B (Data Structures), CS 70 (Discrete Mathematics and Probability Theory), EECS 16A (Designing Information Devices and Systems I), Math 1B (Calculus)

## PROFESSIONAL EXPERIENCE

Fingenic, Inc.

Aug. 2022 - Present

Software Developer

San Francisco, CA

- Implemented Microservices through Clean Architecture in the data structure to create efficient code and long-term growth
- Collaborated with a partner to construct a web framework to provide web services and APIs for the app incorporating Django
- Created a server that sends request to the Rest APIs of the services and delivers data to the database every X amount of time
- Managed the front-end development of the app with implementations of Strip.js and QR Barcode Scanner through JavaScript

Abercrombie & Fitch + Hollister Co.

Oct. 2020 - Jun. 2021

Brand Representative

Livermore, CA

- Increased brand value by providing exceptional customer service and maintaining safe environment for 500+ consumers daily
- Recommended and helped locate or obtain merchandise based on customer needs and desires and had an increase in sale by 10%
- Fostered a professional space focused on DEIBJ with 20+ fellow employees, creating a comfortable/approachable work culture

## PERSONAL PROJECTS

Money-ger

Nov. 2022

JavaScript

Berkeley, CA

- Developed a website that keeps track of everyday expenses suited for college students with clean User Interface and experience
- Integrated Reacts hooks and DOM to efficiently display old/new/deleted transaction items and show expense and income totals

Gitlet

Apr. 2022

Java

Berkeley, CA

- Built a version control system that saves, adds and commits changes in tracked file to the git repository similar to GitHub
- Employed SHA-1 encryption system to track files with identical file names but different file contents to insure safe commit
- Created a design of tree branches to enable the functions of reverting to user-picked files, and merging files in different branches
- Implemented Dijkstra's and Kruskal's Algorithm to successfully merge files within different branches of the git system

Ataxx

Mar. 2022 – Apr. 2022

Java

Berkeley, CA

- Created a boardgame with AI implementation that utilizes Alpha-Beta pruning and Minimax algorithm to find the optimal move
- Built both the command line version and the GUI version of the game implementing both AI and manual players game play

Sorting Algorithm Visualizer

Aug. 2022 – Sep. 2022

Python

Berkeley, CA

- User-friendly program with an implementation of various sorting algorithms to demonstrate runtime and the process of sorting
- Integrated Pygame to visualize the sorting blocks and implemented buttons for users to adjust sorting time, algorithms and size

## EXTRACURRICULAR ACTIVITIES

Brooklyn Nets Project

Feb. 2022 – Present

Sports Analytics at Berkeley (SAGB)

Berkeley, CA

- Analyzed factors that lead to optimal player development consistent with the Nets' roster using Data and Computer analytics
- Employed a computer vision model to analyze players using images of in-game player shooting form and movement on the court
- Presented areas of improvement, assess strengths and weaknesses of individual players to the recruiting of officer at the Nets

## SKILLS & INTERESTS

- **Languages:** Fluent in English & Korean (800/800 on the Korean with listening SAT Subject Test)
- **Technical:** Python, Java, JavaScript (Node.js), Scheme, HTML, R, Tableau, GitHub, Microsoft Word, Excel & PowerPoint
- Phi Kappa Tau – Nu Chapter: Junior Treasurer (Spring '21), Philanthropy Chair (Fall '22)
- **Hobbies:** Soccer, Tottenham Hotspur F.C., Golden State Warriors, Golf, Live Music, Marvel Cinematic Universe, Poker, Snowboarding, Traveling