Evan Kandell

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EDUCATION

University of California, Berkeley   Graduating **May 2024**
B.A. in Computer Science; minor in Data Science   3.71 technical GPA; 3.6 overall GPA

CAREER OBJECTIVE

Passionate computer science student with top-tier training, superb problem-solving skills, and collaborative work ethic seeking an entry-level software engineering role. I'm eager to join a dynamic team, hone my skills alongside professionals, and make a positive impact with high-quality code and innovative solutions.

RELEVANT EXPERIENCE

Data Science/Engineering Intern (40 hrs/week)   **Dell Technologies, Customer Data + Marketing Tech -** *Summer 2023*
- ❖ Utilized state-of-the-art tools to create a machine-learning model for validating customer entity resolution
- ❖ Achieved 78% accuracy and 90% precision on test data; discovered potential anomalies and recommended changes
- ❖ Employed ML model to measure the efficacy of team's product, identifying opportunities to: save $1 million/year via alternate software, automate up to 150 million hours of manual data entry, and provide valuable data analytics

Foundations of Data Science Course Tutor (10 hrs/week)   **University of California, Berkeley -** *Summer 2022*
- ❖ Taught students Python and statistics as paid course staff, building on three semesters of work as an academic intern
- ❖ Provided comprehensive support through planned lessons, code reviews, and concept explanations for individuals and groups during weekly office hours, 6-student tutoring sections, and 30-student lab sections

Intro Courses Academic Intern (3 hrs/week)   **University of California, Berkeley -** *Spring 2021-2022*
- ❖ Assisted and taught students in introductory computer science and data science courses CS61A and Data 8

SKILLS

Fluent: Python; Java; C/C++; Git; Pandas   **Proficient:** Swift; HTML; CSS; Javascript; Golang; SQL; NumPy; RegEx

PROJECTS (GitHub links available upon request)

- ➤ **RookieDB (*Java*)** — Built a working database management system, including using B+ tree indices and supporting joins, query optimization, database recovery, and concurrency; database able to properly respond to any SQL input
- ➤ **Encrypted File Sharing System (*Golang*)** — Designed a client to store data in an insecure database utilizing public and private key cryptography for confidentiality, digital signatures, and HMACs; defended against multiple threat models
- ➤ **Pacman AI/ML (*Python*)** — Applied algorithms and tools such as A* search, logical inference, Q-learning, Hidden Markov Models, Bayes Networks, neural networks, and more to solve increasingly complex search problems
- ➤ **Build Your Own World (*Java*)** — Collaboratively built an interactive 2D video game with randomly generated worlds; creatively established aesthetics and design of world and code, including underlying data structures and algorithms

RELEVANT COURSEWORK

Computer Science
- Structure & Interpretation of Computer Programs*
- Data Structures & Programming Methodology*
- Computer Security
- Intro to Artificial Intelligence
- Intro to Software Engineering (Fall 2023)
- Programming Languages & Compilers (Fall 2023)

Data Science/Math
- Discrete Mathematics and Probability Theory
- Principles and Techniques of Data Science
- Database Systems
- Multivariable Calculus and Linear Algebra
- Contexts and Ethics of Data (Fall 2023)
  *Earned an A+ in the course

ADDITIONAL WORK EXPERIENCE / EXTRACURRICULARS

UC Berkeley Men's Ultimate Team "Ursa Major"	*Player (10+ hrs/week)*	*Fall 2020 - Present*
Berkeley Student Cooperative	*Assistant Cook (5 hrs/week)*	*Fall 2021 - Present*