Tadeh Boghozian

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EDUCATION

University of California, Los Angeles (UCLA) **Graduating March 2023**

B.S., Computer Science

- **Relevant Coursework:** Intro to Comp Sci, Computer Architecture, Algorithms, Software Tools, Operating Systems, Computer Graphics, Machine Learning, Fundamentals of Artificial Intelligence

TECHNICAL SKILLS

Programming Languages: C, C++, Python, Java, Bash, JavaScript, HTML, CSS, SQL

General: Git, Ubuntu/Linux, Windows, mac-OS, PyTorch, TensorFlow, pandas, scikit-learn, Latex

PROFESSIONAL DEVELOPMENT PROJECTS

Chess AI **August 2021 to Ongoing**

- Designed move generator using C++, Mini-Max Algorithm, and Alpha-beta pruning to search and evaluate moves resulting in a **5x speedup** over pure Mini-Max.
- Implemented underlying debugging framework running unit and integration tests to continually error-check code and build robust software.
- Devised design documentation and specifications using agile methodology to track and achieve software milestones.

Code Sprint LA 2021 **July 2021**

- Collaborated with teammates to **place 5th out of 120 teams** in competitive programming contest with top competitors at UCLA's annual Code Sprint competition.
- Coordinated tasks according to teammate strengths to maximize time spent on each problem solving 4 problems in under an hour
- Competed and **placed 13th out of 400+** students and individual at UCLA's annual Code Sprint competition.
- Solved Data Structures & Algorithms questions including sliding window, binary, and graph search problems using C++

ACM Hackathon **July 2021**

- Created a recipe recommendation application using C++ to offer ideas for what to make based on currently available ingredients.
- Cooperated with **team of four** to develop solutions to software engineering challenges using C++ and Python **over 8 hour window**

Tic Tac Toe AI **January 2022**

- Built the Mini-Max algorithm for a Tic Tac Toe AI using C++ to compete with players resulting in an AI enumerating best possible moves at each turn.
- Programmed GUI using ncurses library

RELEVANT EXPERIENCE

Math Tutor **August 2016 – August 2017**

- Coached students in math, up to calculus and differential equations, using examples and strategies students were able to understand and apply to complete work.
- Addressed students needs, conveyed information at targeted level of understanding while providing guidance on coursework understanding of subject leading to high exam scores.