



CHRISTOPHER LEE

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Education

University of California, Berkeley

Class of 2026

Bachelors of Arts in Computer Science, 3.76 GPA

- **Relevant Coursework:** CS 61A: Computer Programs, CS 61B: Data Structures, CS 70: Discrete Mathematics and Probability Theory, EECS 16A/B: Designing Information Devices and Systems I/II, DATA 8: Foundations of Data Science, CS 188: Artificial Intelligence

Experience

Eighth United States Army

Oct 2022 - Apr 2024

Company Senior KATUSA (Korean Augmentation to the United States Army)

- Served as a Korean soldier stationed at a U.S. Army installation located on the Korean Peninsula.
- Led a team of 50 KATUSAs within the Operations Company, Headquarters and Headquarters Battalion, Eighth Army.
- Trained and mentored incoming junior KATUSAs, ensuring their readiness for deployment and mission effectiveness.
- Coordinated and executed significant, large-scale events, including the KATUSA ETS and promotion ceremonies.
- Collaborated closely with U.S. Army personnel as a dedicated liaison, providing vital linguistic and cultural support during joint exercises, missions, and operations.

Personal Projects

Pacman AI

Jan 2022 - May 2022

- Implemented AI algorithms for Pacman, including pathfinding with Breadth-First, Depth-First, and A* search.
- Employed miniMax, expectiMax algorithms along with Alpha-Beta pruning techniques to enhance Pacman's decision-making in a multi-agent environment with randomized ghost movements, resulting in improved winning rates.
- Applied propositional logic and Simultaneous Localization and Mapping (SLAM) to enable Pacman's self-localization and mapping without prior knowledge, showcasing advanced Artificial Intelligence reasoning.

Gitlet

Aug 2021 - Dec 2021

- Developed a concise version-control system reminiscent of Git, featuring robust implementations of essential features, including commit, merge, log, checkout, and branching capabilities, facilitating seamless file version management.
- Composed a design document, unit, and integration tests to establish a structured program architecture, prioritizing in runtime efficiency through the adoption of optimal data structures while ensuring the reliability of the software.
- Utilized serialization to persistently store file states and assigned SHA-1 hash values for universal file identification.

Enigma

Aug 2021 - Dec 2021

- Built a simulator for a generalized version of the Enigma machine, employed in military communication encryption.
- Utilized object-oriented programming to design and implement a set of programmable rotors capable of assuming diverse initial configurations, enabling the application of a progressive substitution cipher to encrypt and decrypt messages.
- Enhanced proficiency in Java scanners and File IO by effectively parsing through encryption configurations and returning decrypted messages.

Technical Skills

Languages and Libraries: Python, Java, Scheme, SQL, Numpy, Pandas, Matplotlib

Operating Systems and Version Control: Mac OS, Windows, Unix/Linux, Git

Activities

Korean Undergraduate Networking Association

Aug 2020 - Jan 2022

Public Relations Staff

- Managed inter-company/organizational communication to secure sponsorships and streamline event coordination.
- Created and administered an Instagram account exclusively dedicated to promotional and recruitment-related events.
- Devised and executed a comprehensive General Membership program, which involved coordinating group study sessions and organizing themed social events to foster a cohesive Korean community within the University of California, Berkeley.