WAYSON LEE

📞 916-385-7782 ✉ waysonkun@gmail.com 🖥 waysonlee.com in linkedin.com/in/waysonlee

Education

University of California - Berkeley **May 2023**
B.A. - Computer Science | 3.7 GPA *Berkeley, CA*

➤ Berkeley Undergraduate Scholar, Amazon Future Engineer Recipient, Schwab-Rosenhouse Scholar.
➤ Courses: Data Structures, Discrete Math, Information Devices and Systems, Linear Algebra, Computer Architecture.

Experience

Amazon **May 2021 – August 2021**
Software Engineer Intern, Advertising Development *Seattle, WA*

➤ Developed a new book ad-type using Java and XML and implemented it into production. Launched new ad-types through dial-up experiments.
➤ Queried data using SQL to create a new relational database between distinct advertisement sets to serve customers new ad-types. Extracted data using AWS Cradle and S3.
➤ Wrote new reusable source code for the AWS Fenix package, allowing the Books Advertising team to run faster data collections experiments

Vex Robotics **Apr. 2016 - Mar. 2020**
Team Designer and Strategist *Folsom, CA*

➤ Designed 18x18x18 inch robots made from aluminum and acrylic, and programmed using C++. Devised strategies for our team to lead the competition against other teams.
➤ 1 World's Innovate, 1 California State Design, 20+ regional awards, and Top 100 out of over 10,000 teams in the world.

Projects

Gitlet

➤ Implemented a clone of Git using Java with support for terminal Git commands, repository creation, and remote commands.
➤ Intense utilization of data structures, file management,serialization, object manipulation.

Build Your Own World

➤ Designed a 2D video game with an interactive GUI using Java. Player controls an Avatar to collect all the coins before the enemies catch them.
➤ Contains interactive inputs, sprites, portals, and intelligent enemies with A* pathfinding algorithms.

Scheme

➤ Constructed a fully-functioning interpreter for Scheme, a Lisp dialect, composed entirely in Python.
➤ Command-line support for all functions, including user-defined lambda functions.

CS Mentorship

➤ Architected an Alexa skill that connects students with mentors of similar backgrounds to encourage underrepresented groups to pursue Computer Science.
➤ Composed using NodeJS and implemented in Amazon's Alexa Skills interface.

Personal Website

➤ Created a personal website using HTML, CSS, and Javascript.

Technical Skills

Languages: Python, Java, SQL, C, HTML, CSS, Javascript
Developer Tools: AWS [S3, Glue, Dryad], Adobe [Photoshop, Premiere], LaTeX, Excel, Autodesk Inventor
Math: Linear Algebra, Multivariable Calculus, Differential Equations, Discrete Math