

David Lee

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EDUCATION

B.A. Computer Science, Applied Mathematics | University of California, Berkeley

Graduation Term (Projected): Spring 2025

GPA: 3.7 / 4.0

Relevant Coursework | Computer Programs, Blockchain Fundamentals, Data Structures, Discrete Mathematics & Probability Theory, Database Systems, Machine Structures, Artificial Intelligence, Information Devices & Systems, Machine Learning, Artificial Intelligence, Efficient Algorithms, Computer Security, Data Science, Linux System Admin

SKILLS

Python, Java, C/C++, SQL, MongoDB, TypeScript HTML/CSS, JavaScript, Docker, Flask, Django, Reactjs, React Native, Redux, TensorFlow

WORK EXPERIENCE

Irvine Valley College | Developer, Instructor

Aug2020 — May 2022

Reactjs, Redux, MySQL, TypeScript, Express, Flask

- Led the development and deployment of multiple web applications using Reactjs, resulting in a 20% increase in user engagement and a 30% improvement in site performance.
- Taught over 100 students about full stack development and organized monthly workshops on emerging full stack technologies.

Korean JoongAng Daily | Software Engineer Intern

May2018 – Aug2018

Reactjs, Webpack, CSS Animations, PostgreSQL

- Collaborated with the IT and editorial teams to design and implement digital solutions that enhanced the online presence of one of the largest newspaper company in South Korea.
- Developed and integrated a custom CMS tailored to the newspaper's workflow, enhancing editorial efficiency by 12%.

Woori Hospital | Software Engineer Intern

May2019 — Aug 2019

Python, Django, MySQL, SQLite

- Developed an automated system for patient file management, reducing manual entry errors by 60% and streamlining the patient admission process by 40%.
- Designed and developed APIs to facilitate data exchange between different hospital departments, improving inter-departmental collaboration and reducing data retrieval times by 25%.

PROJECTS

LeeShop

Personal Project • React, Redux, TypeScript, MongoDB, Express, JSON Web Tokens

- Created a comprehensive e-commerce platform with a wide range of products, intuitive user interfaces, and robust backend functionalities.
- Integrated the PayPal API for secure payment and JWT for secure user authentication.

TaskApp

Personal Project • REST API, JSON, React, SocketIO

- Innovative application designed to blend the collaborative features of platforms like Canvas and Google Drive with a unique task and reward system.
- Users can create, edit, and manage tasks, set deadlines, and attach necessary files or documents in real-time, similar to platforms like Canvas.

Python Sudoku Solver

Personal Project (Browser Extension) • JS

- Developed a UI puzzle game Sudoku using Python's Pygame and Tkinter library.
- Employed the backtracking algorithm to efficiently compute and reveal the solution to the board.

RECOGNITION

UPE Computer Science Honor Society | Dean's List