

# David Lee

[linkedin.com/in/david-lee-a058571b5](https://www.linkedin.com/in/david-lee-a058571b5)

+1) 949-822-1481  
[dlee6018@berkeley.edu](mailto:dlee6018@berkeley.edu)

Berkeley, CA  
[github.com/dlee6018](https://github.com/dlee6018)  
[dlee6018.github.io](https://dlee6018.github.io)

## EDUCATION

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

UPE Computer Science Honor Society | CSUA

Graduation Term (Projected): May 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

## SKILLS

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

## WORK EXPERIENCE

### Irvine Valley College | Developer, Instructor

Aug2020 — May 2022

React.js, Redux, MySQL, TypeScript, Express, Flask

- Led the development and deployment of multiple web applications using React.js, 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.

### 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 implemented APIs to facilitate data exchange between different hospital departments, improving inter-departmental collaboration and reducing data retrieval times by 25%.

### Korean JoongAng Daily | Software Engineer Intern

May2018 — Aug2018

React.js, 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.
- Designed and integrated a custom CMS tailored to the newspaper's workflow, enhancing editorial efficiency by 12%.

## PROJECTS

### Memorable Personal Project • React Native, Swift

- Comprehensive journaling app with a wide range of native features, and intuitive user interfaces
- Achieved 200 users for the first month of launch in the AppStore.

### TaskApp Personal Project • REST API, JSON, React, Socket IO

- Designed to blend the collaborative features of platforms like Canvas and Google Drive with a unique task and reward system.
- With Socket IO, ensured real-time updates with a latency of less than 100ms.

### Python Sudoku Solver Personal Project • Python

- Developed a UI puzzle game Sudoku using Python's Pygame and Tkinter library.
- Employed an efficient backtracking algorithm to efficiently compute 99% of sudoku puzzles under 10 seconds.

### Gitlet Course Project (CS 61B: Data Structures) • Java

- Implemented a version-control system that employs hashed file serialization to mimic some of the basic features of the popular version control system Git.