Clara Lee

I am an undergraduate computer science student at UC Berkeley looking for a summer internship or co-op in **frontend** or **backend** software engineering.

2606 Benvenue Ave #401
Berkeley, CA 94704
(858) 997-3540
wclaralee@berkeley.edu
linkedin.com/in/wclaralee

EDUCATION

UC Berkeley | Berkeley, CA — *Bachelor of Arts*

AUGUST 2016 - MAY 2020

Undergraduate student majoring in **Computer Science** with a minor in **German**

EXPERIENCE

ViaSat Inc | Carlsbad, CA — *Software Engineering Intern*

MAY 2018 - AUGUST 2018 | 12 Weeks

- Developed a **form editor** as a module embedded into an existing ViaSat geospatial visualization tool in order to help internal users make better business decisions regarding satellite licensing around the world.
- Implemented a **new database** for the application using **PostgreSQL** and PGAdmin4, after gathering database design requirements from various stakeholders of the project in order to better organize and understand existing licenses.
- Created the user interface using **Vue.js**, HTML, CSS, and Bootstrap-Vue.

EECS Department | UC Berkeley — *CS61B Lab Assistant*

AUGUST 2017 - MAY 2018

- Offered Data Structures students insight on coding practice and class content during lab sections and office hours on tasks such as homework, projects, and labs.

Ici Ice Cream | UC Berkeley — *Part-Time Ice Cream Scooper*

JUNE 2017 - PRESENT

- Serve customers by scooping them gourmet ice cream.

PROJECTS

https://wclaralee.github.io — *Personal Website*

- Developed a personal website in 2017 initially using just HTML and CSS in order to teach myself about **frontend web development**, an interest I wanted to explore.
- Transforming the website into a dynamic one using Vue.js currently.

Gitlet — *UC Berkeley, Data Structures*

- Programmed a simplified **version control system** using **Java** as a project during CS61B.
- Implemented a program could keep track of merge conflicts, deleted files, and changed files.

Autocomplete Trie Trees — *UC Berkeley, Data Structures*

- Programmed an autocomplete function using Java that ranked the importance of words in a file of 150,000 words given a partial string input from users
- Implemented the program under a linear runtime by creating a trie using priority queues, based on the partial string inputs.

TECHNICAL SKILLS

Advanced: JavaScript | Vue.js | HTML | Java | Python | CSS | InDesign | LaTeX

Familiar: SQL | Ruby

RELEVANT COURSEWORK

Completed Coursework:

- Data Structures and Programming Methodology
- The Structure and Interpretation of Computer Programs
- Discrete Mathematics and Probability Theory
- Introduction to Artificial Intelligence
- Ruby on Rails
- Multivariable Calculus
- Linear Algebra
- Differential Equations

Current Coursework:

- Databases
- Algorithms

LANGUAGES

Fluent: English | Korean

Intermediate: German

Beginner: Italian

INVOLVEMENT

Theta Tau Co-Ed Engineering Fraternity — *Epsilon Chapter*

Guayaki — *Yerba Mate University Ambassador*

Cal Climbing — *Competition Director*