

SEAN KING

Cupertino, California · sek032@ucsd.edu · 408-242-(1644) · <https://s3anak.github.io/>

EDUCATION

UC San Diego

BS Computer Science *GPA: 4.0*

San Diego, California

2022 - 2026 (Expected)

Pinewood High School

High School Diploma *GPA: 4.54 (Valedictorian)*

Los Altos, California

2018 - 2022

WORK EXPERIENCE

CalTopo

Software Engineer Intern

Truckee, California

June 2020 - August 2020

- Interned at CalTopo, a company specializing in mapping software for backcountry enthusiasts and first responders. Project Lead for development of geology overlay using United States Geological Survey Data. Worked in Linux VM using Python, SQL, and Mapnik. This project is in production and available to customers.

CalTopo

Software Engineer Intern

Truckee, California

June 2021 - August 2021

- Managed project to develop the skiing and mountain-biking overlays, Switzerland topographic maps, and an updated basemap. Attended weekly company meetings and conducted company-wide code reviews. Worked in Linux VM using Python, SQL, Mapnik, PostGIS, and Shell Scripting. All projects are in production and available to customers.

Self-Employed

Private Chemistry Tutor

Los Altos, California

March 2022 - May 2022

- Tutored multiple students in Honors Chemistry and Advanced Placement Chemistry. As a result of weekly sessions, my students improved their grades and all passed the AP Chemistry exam.

Sierra Challenge

Official Scorekeeper

Bishop, California

July 2022 - September 2022

- Managed an Excel spreadsheet to track which peaks participants successfully summited during the 2022 Sierra Challenge for over 50 participants. Automated the process to track the leaders in each category. More information at: https://snwburd.com/bob/challenge/2022/info/7_28.html

PROJECTS

Summer 2022 - Inyo National Forest Permit Checker *Python, Linux, Shell Scripting, Git*

<https://github.com/s3anAK/recreation-gov-availability>

Created a public program that offers additional functionality for reserving Inyo National Forest permits from recreation.gov. My program uses the recreation.gov API to retrieve data based on user input and then sends the user an email when permits become available. I run this program for personal use on an AWS Lightsail server with cronjobs.

Ongoing - UCSD Food Recommendation App *MongoDB, Express.js, Mongoose, Node.js, React*

<https://github.com/acmucsd-projects/fa22-hack-team-2>

Selected as to participate in a highly competitive program (16% acceptance rate) as part of UCSD's ACM quarterly projects. Currently working on a project team to developing a website built in the MERN stack to provide UCSD food recommendations based on the user's dietary preferences. Mainly responsible for developing a Restful API to access our MongoDB database of food options at UCSD..

SKILLS

Programming Languages: Java, Python, JavaScript (beginner proficiency)

Other Tools: Git, Express.js, Node.js, MongoDB, React, HTML, CSS, Linux, Shell Scripting

Hobbies: Ultrarunning, Mountaineering, Biking, Reading, Maps

AWARDS

Sierra Challenge White Jersey Winner

Sierra Challenge Committee

Awarded for climbing the most peaks during the 2021 Sierra Challenge in the under-25 age category. More info at <https://snwburd.com/bob/challenge/2021>

August 2021

1st Place in Annual National Newspaper Contest

American Scholastic Association

Served as Editorial and Managing Editor of high school newspaper, The Perennial. The editorial staff won first place among hundreds of submissions.

2020