SEAN KING

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

EDUCATION

UC San Diego San Diego, California
BS Computer Science (In Progess) 2022 - 2026 (Expected)

Pinewood High School Los Altos Hills, California
High School Diploma *GPA: 4.54 (Valedictorian)* 2018 - 2022

WORK EXPERIENCE

Sierra Challenge Bishop, California
Official Scorekeeper July 2022 - September 2022

- I managed an excel spreadsheet to track which peaks people climbed and when during the 2022 Sierra Challenge for over 50 participants. I automated the process to track the leaders in each category. More information at: https://snwburd.com/bob/challenge/2022/info/7_28.html

Self-Employed Los Altos Hills, California
Private Tutor March 2022 - May 2022

- Paid private chemistry tutor for high school students. I tutored Honors Chemistry and Advanced Placement Chemistry. I helped my students understand the material and improve their test scores.

CalTopo Truckee, California
Paid Software Engineer Intern June 2021 - August 2021

- Full-time paid intern at CalTopo, a company specializing in mapping software for backcountry enthusiasts and first responders. Reported to CEO and worked with senior employees. Project lead for the development of 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; see my website at https://s3anak.github.io/

CalTopo Truckee, California
Unpaid Software Engineer Intern June 2020 - August 2020

- Unpaid internship reporting directly to CEO of 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 to create the overlay. This project is in production; see my website at https://s3anak.github.io/

PROJECTS

Inyo National Forest Permit Checker *Python, Git, Linux, Shell Scripting*
https://github.com/s3anAK/recreation-gov-availability
Created program that offers additional functionality for reserving Inyo National Forest permits from recreation.gov. The 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.

SKILLS

Main Language:	Python (6 years of experience)
Intermediate Proficiency:	Mapnik, Linux
Beginner Proficiency:	Java, SQL, HTML/CSS, Shell Scripting, AWS
Hobbies:	Mountaineering, Running, Biking, Exploring New Music

AWARDS

AP Scholar with Distinction Award College Board
I received this award for taking 9 AP courses - Computer Science (5), Calculus AB + BC (both 5), World History (5), Chemistry (5), US History (5), US Government (4), Physics C Mechanics (4), English Language (4). 2022

Sierra Challenge White Jersey Winner Sierra Challenge Committee
Awarded for climbing the most peaks during the 2021 Sierra Challenge among people under the age of 25.
More info at https://snwburd.com/bob/challenge/2021 2021

1st Place in Annual Newspaper Contest American Scholastic Association
I won this award as part of the editorial staff of The Perennial, my high school newspaper. We first place among hundreds of submissions. 2020