

Sumer Kohli

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EDUCATION

UC Berkeley (2018-present)

Electrical Engineering & Computer Sciences

B.S. in Computer Science

Expected Grad.: May 2022

The Harker School (2014-2018)

Grad. May 2018

Cum. GPA: 4.55 of 4.80

4-time Honor Roll

SKILLS

Languages:

C/C++, Python, JavaScript/Node.js, Go, Swift, Java, Objective-C, Shell, Mathematica, NumPy & SciPy, R

Frameworks:

React, AngularJS, Vue.js

Databases:

MongoDB, MySQL, PostgreSQL

AREAS

Front-End:

Web Development

Data Analysis

UI/UX

Data Visualization

Back-End

Server-Client

Cloud Computing

Systems Development

Operating Systems

Peer-To-Peer

Compilers & Interpreters

Scientific Computing

ACTIVITIES

USACO Gold Competitor

HackerCTF, Board Member

Tech. Student Assn., Director

EXPERIENCE

Nutanix Inc. – Foundation

Jun 2017 – Aug 2017

Software Engineer Intern

San Jose, CA

- Enhanced logging reliability for virtual cluster imaging
- Implemented a data exfiltration solution in foundational Python code to enable anonymized callhome streams

Realization Technologies Inc.

Jun 2016 – Aug 2016

Software Dev. Contractor

Cupertino, CA

- Wrote a web platform to efficiently profile and match local employers and college students based on their preferences
- Built with AngularJS, jQuery UI, and appery.io database & IDE

Nutanix Inc. – CE Analytics

Jun 2015 – Aug 2015

Software Engineer Intern

San Jose, CA

- Developed an efficient Python-based database to process and store product telemetry
- Built a tool to analyze product telemetry with a full-featured web interface for easy tabulation and analysis

PROJECTS

SCE Chess ♟

A highly performant C++ chess engine rated around 2000 ELO – or able to beat an estimated 97-98% of chess players.

Cobra Compiler ♾

An optimizing compiler able to fully compile my very own object-oriented, Turing-complete programming language.

Sumer's OS

A Unix-like mini-operating system with scheduling and multitasking support, able to run code in user land. Provides a (nearly) POSIX-compliant environment and libc implementation.

HackMirror 2nd Place, HarkerHacks 2018

The smarter smart mirror, replete with facial recognition, voice commands, voice calling functionality, and more. Built with Python-OpenCV, Firebase, and Alexa Voice Services (AVS).

RecMatcher

A web platform written for my high school to match students seeking and teachers providing letters of recommendation. Built with Firebase, Node.js, and Bootstrap.