

Samy Cherfaoui

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<http://samyspace.github.io>
scherfaoui@berkeley.edu | 408.893.9204 | Berkeley/Cupertino

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY | CS61A COURSE STAFF | SENIOR MENTOR

BACHELOR OF ARTS, COMPUTER SCIENCE

Expected May 2021 | Berkeley, CA
Regents' and Chancellors' Scholar
(awarded to top 0.2% of applicants)
Dean's List (Awarded to top 4% of college undergraduates every semester)
Cum. GPA: 3.961 / 4.0

FOOTHILL COMMUNITY COLLEGE

Summer 2016 | Cum. GPA: 4.0/4.0

AWARDS

Dell Scholar | Stanford Palantir
PuzzleHunt, 1st Overall | Intel Scholar |
Gold Presidential Service Award

COURSEWORK

UNDERGRADUATE

The Structure and Interpretation of
Computer Programs (Course Staff & Senior
Mentor) | Designing Information Devices
and Systems I + II | Data Structures |
Discrete Mathematics + Probability
Expected (Fall 2018): Machine
Architecture | Principles of Data Science |
Efficient Algorithms

ONLINE

Algorithms I + II (Princeton) | Web App
Development | Certified Ethical Hacking |
Computer Networks

SKILLS

PROGRAMMING

Over 5000 lines:

Java • Python • HTML/CSS • Javascript
Django • SQL • Amazon Web Services •
Node.js

Over 1000 lines:

C • Assembly • ExpressJS • MongoDB

Technical Skills:

Microsoft Office Suite • Ethical Hacking •
Raspberry Pi • Electronic Circuitry

LANGUAGES

- French (advanced) • Arabic (proficient)
- Kabyle (proficient)

PROFESSIONAL EXPERIENCE

May 2018 – Present | Berkeley, CA

- Managed and directed a team of four junior mentors who taught sections of the introductory CS course, CS61A.
- Taught my own section and implemented a unique feedback-based teaching system.
- Worked with course staff to design worksheets, film exam walkthroughs, and establish course content.

REGENTS' AND CHANCELLORS' SCHOLARS ASSOCIATION |

Co-WEBMASTER

August 2017 – Present | Berkeley, CA

- Implemented a streamlined interface between the scholar database and the backend using Django.
- Maintained updates to the front end through HTML, CSS, and Javascript.
- All code was reviewed, perfected, and pushed to production.

ACCENTURE LABS | RESEARCH EXTERN

December 2017 – January 2018 | San Jose, CA

- Conducted intensive research on quantum annealing for commercial quantum computing under the supervision of a senior researcher.

GOOGLE | BUG BOUNTY PROGRAM HACKER

June 2015 – July 2017 | Mountain View, CA

- Was an active member of the Google Bounty Program team and was paid to find vulnerabilities in Google application software.
- Found cross site scripting vulnerability with Google Firebase which was subsequently patched.
- Was included in previous iterations of the Google Bounty Hall of Fame list.

PERSONAL PROJECTS + ORGANIZATIONAL WORK

TEACHME | FOUNDER, DEVELOPER

January 2018 – Present

Developed a one of a kind peer-to-peer, mutual learning application platform using Amazon Lambda, Cognito, DynamoDB, S3, and Node.js. I plan on potentially expanding the prototype into a business.

THE BERKELEY FORUM | PROGRAMMING COMMITTEE MEMBER

January 2018 – Present | Berkeley, CA

I was in charge of inviting speakers for The Berkeley Forum, a non-partisan, student-run organization dedicated to inviting thought-provoking speakers such as Senator Rand Paul and Salman Khan. I personally coordinated with prominent individuals such as author Junot Díaz and former mayor Antonio Villaraigosa.

ALGERIAN AMERICAN ASSOCIATION OF NORTHERN CALIFORNIA | DIRECTOR, BOARD OF DIRECTORS

July 2016 – March 2018 | Santa Clara, CA

I was elected as a director and coordinated with the Algerian consulate in New York to arrange passport clinics and cultural symposiums for Algerians in northern California. I was also in charge of managing media outreach.