

Kunal Gosar

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Personal Website: kunalgosar.me // Github Handle: [kunalgosar](https://github.com/kunalgosar)
University of California, Berkeley

Education:

University of California, Berkeley - (Technical GPA: 3.85, Overall GPA: 3.7)

Expected: May 2019

Bachelors of Science in Electrical Engineering and Computer Science (EECS)

Intended Double Major

Bachelors of Science in Engineering Mathematics and Statistics

Relevant Coursework: The Structure and Interpretation of Computer Programs (CS 61A); Data Structures (CS 61B); C for Programmers (CS 9C); Gadgets Electrical Engineers Make (EE 24); Designing Information Devices and Systems I (EE 16A); Linear Algebra and Differential Equations (Math 54).

The Leadership Award Scholarship, Cal (Berkeley) Alumni Association

International School of Basel, Switzerland

June 2015

International Baccalaureate; High School Diploma.

Citizenship: United States

Work Experience:

Lab Assistant for CS61A, UC Berkeley EECS Department

Jan 2016 – Present

Helping students in the introductory Computer Science class at UC Berkeley.

Project Management and Software Engineering Intern, Novartis Group Informatics, Basel, Switzerland

Summer 2014

Worked in User Interface Development and Testing for Enterprise Software.

Assisted Project Managers in tracking action items for the global deployment of enterprise systems software.

Engineering Intern, Tecnoform Engineering, Mumbai, India

Winter 2014

Worked in the offices and factories of Tecnoform, a mechanical engineering company specializing in repairing and building machinery (specifically extrusion presses).

Research Intern, Novartis Institute of Biomedical Research, Basel, Switzerland

Summer 2013

Worked in the research labs in the department of neurological research.

Observed and worked with the robotic/automatic compound screenings in drug development.

Personal Projects: Shown on kunalgosar.me

Music Generator, Repository: github.com/kunalgosar/MusicGenerator

This is a music generating program, that takes an input tempo from a user's mobile device and the linked web application outputs algorithmically generated music. Fully detailed on the Github repo linked above.

Built the Web Application; iOS application. Wrote the configuration to mathematically analyze the user defined tempo. Created with three other students for CalHacks 2.0, 2015.

Personal Website, Hosted at kunalgosar.me

Written in HTML, CSS and JavaScript. Hosted on GitHub pages: github.com/kunalgosar/kunalgosar.github.io

Class Projects:

Scheme Interpreter, Completed as part of CS 61A (Structure and Interpretation of Computer Programs)

Wrote a Scheme Interpreter in Python. Functionality includes: Quotation, Lambda Function, Mu Expressions (Dynamic Scope), Conditionals, Variable Definitions and Tail Recursion.

Leadership Experience:

Leadership: Engineering Society (Co-founder, President); Student Council (3 years, Vice President)

Entrepreneurship: Entrepreneurship Society of Basel (Treasurer)

Public Speaking: Model United Nations (Various Best Delegate Awards, Dep. Secretary General)

Teaching: Tutored Math and Physics to Middle School/High School students

Athletics: Track and Field (4 years - Varsity); Snowboarding (Black level Award, Swiss Snowboarding Association)

Technical and Language Skills:

Computer Skills: Python, Scheme, SQL, Java, HTML, CSS, JavaScript. Knowledge of Google App Engine, LaTeX.

Languages: Fluent in English, Hindi; Proficient in German, Swiss-German, Spanish.