

## Kunal Gosar

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Personal Website: [kunalgosar.me](http://kunalgosar.me) // Github Handle: [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:

**Novartis Group Informatics**, Project Management and Software Engineering Intern, 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.

**Tecnoform Engineering**, Engineering Intern, 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).

**Novartis Institute of Biomedical Research**, Research Intern, 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](http://kunalgosar.me)

**Music Generator**, Repository: [github.com/kunalgosar/MusicGenerator](https://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.*

### 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. Knowledge of Google App Engine, LaTeX.

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