

# Gautam Mittal

gautammittal.com | gbm@berkeley.edu | +1 (480) 648-8254

## EDUCATION

### UC BERKELEY

B.S. Electrical Engineering & Computer Science (EECS)

Expected May 2021 | Berkeley, CA  
GPA: 3.75 / 4.0

Regents' and Chancellor's Scholar  
Accel Scholar

Cal Hacks, SUSA, UC Jazz

### GUNN HIGH SCHOOL

May 2018 | Palo Alto, CA  
GPA: 4.35 / 4.0

CS Club (President), TEDx (President),  
Tri-M Music Honor Society (President),  
GunnHacks (Lead Organizer), APCS  
Teaching Assistant, Jazz Ensemble,  
Wind Ensemble, Track & XC

## SKILLS

### LANGUAGES

Python • JavaScript • Swift • Java  
Scheme • SQL • Objective-C

### TOOLS

Keras • TensorFlow • NumPy • HTML  
CSS • jQuery • Node • Flask • Express  
SpriteKit • UIKit • Processing • Chrome  
Headless • AWS • UNIX • Git • Emacs

## LINKS

GitHub: [github.com/gmittal](https://github.com/gmittal)

LinkedIn: [linkedin.com/in/mittalgautam](https://www.linkedin.com/in/mittalgautam)

Website: [gautammittal.com](https://gautammittal.com)

## COURSEWORK

### UNDERGRADUATE

CS61A: Structure & Interpretation of  
Computer Programs

CS61B: Data Structures & Algorithms

EE16A: Designing Information Devices  
and Systems I

EE16B: Designing Information Devices  
and Systems II

MATH53: Multivariable Calculus

PHYSICS7B: Heat, Electricity,  
Magnetism

## EXPERIENCE

### STRIPE | Software Engineering Intern

May 2019 – August 2019 | San Francisco, CA

- Interning on the Connect team for Summer 2019.
- 2019 Kleiner Perkins Engineering Fellow.

### EDMODO | Machine Learning Intern

June 2017 – August 2017 | San Mateo, CA

- Designed ML pipelines with **Python**, **TensorFlow**, **NLTK**, and **pandas** to recommend user-generated content (such as topic-based questions) for AskMo, Edmodo's content-driven curiosity engine.
- Compiled datasets for training deep neural network models, and built scripts to classify and preprocess over 500K+ questions from educational social network.
- Interned on the ML + Search team, supervised by CTO of AI.

### COPILLOT | Executive Director

June 2016 - June 2018 | Palo Alto, CA

- Online, anonymous peer-to-peer mental health counseling service.
- Managed engineering staff, school-based liaisons, platform volunteers, and legal discussions with local and national mental health experts.
- Open-source full-stack platform. Source: [github.com/projectcopilot](https://github.com/projectcopilot)

### MAKE SCHOOL | iOS Game Development Intern

Summer 2012 & Summer 2013 | Palo Alto, CA

- Developed iOS games "Bison Run" & "Blend" (published to App Store) using **Objective-C** and **cocos2d** in studio setting.

## PROJECTS

### TOTALITYHACKS | A New Collegiate Hackathon

November 2017 - July 2018 | JavaScript, Python, Node, MongoDB

- Logistics, workshops, and sponsorship operations for independent collegiate hackathon with directors from Stanford, Duke, Cal, USC, etc.
- Wrote application-reading software and tools to automate sponsor acquisition.

### JAZZML | Real-time Computer Jazz Improvisation

Summer 2016 | Python, TensorFlow, FluidSynth

- Signal processing (FFT) and RNN to generate solos with accompanist.

### KENKO | Computer Vision-based Mobile Nutrition Assistant

September 2015 | Top 10 at PennApps XII | Node, Objective-C

- App that uses CV to determine nutritional content of food from a picture.

## AWARDS

2019	top 50/3000	Kleiner Perkins Engineering Fellow
2018	top 200/8500	UC Berkeley Regents' and Chancellor's Scholarship
2018	top 1/480	US Marine Corps & Louis Armstrong Jazz Awards
2018	top 2/480	Gunn High School Outstanding Student in CS
2016	International	2016 MIT Zero Robotics Challenge ISS Finalist
2015	International	Top 10 & Best Cloud App at PennApps XII Hackathon
2015	International	Apple WWDC Scholarship
2015	International	Top 10 at MHacks V Hackathon