# Gautam Mittal

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## EDUCATION

### UC BERKELEY
B.S. Electrical Engineering & Computer Science (EECS)
Expected May 2021 | Berkeley, CA
GPA: 3.81 / 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 • Ruby • Objective-C

### TOOLS
Keras • TensorFlow • Jupyter • NumPy
React • HTML • CSS • jQuery • Node
Flask • Express • SpriteKit • UIKit
Processing • Chrome Headless • AWS
GCP • UNIX • Git

## LINKS

GitHub: github.com/gmittal
LinkedIn: linkedin.com/in/mittalgautam
Website: gautammittal.com

## COURSEWORK

### UNDERGRADUATE
CS61A: Structure & Interpretation of Computer Programs
CS61B: Data Structures & Algorithms
CS198-082: Machine Learning DeCal
EE16A: Linear Algebra, Devices, & Systems I
EE16B: Differential Equations, Devices, & 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 of 100M+ users.
- Interned on the ML + Search team, supervised by CTO of AI.

### COPILOT | 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

### 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

| Year | Rank | Award |
|---|---|---|
| 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 |