# Gautam Mittal

gbm@berkeley.edu
(480) 648-8254

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gautammittal.com
linkedin.com/in/mittalgautam

## Experience

**TotalityHacks** — Palo Alto, CA
*Organizer & Developer* — *November 2017 - July 2018*
- Built application-reading software and event websites for collegiate hackathon in NYC.
- Implemented web-scraping pipelines and mail scripts to automate sponsor acquisition.
- Planned technical workshop sessions and designed systems to catalyze logistical processes.

**Edmodo** — San Mateo, CA
*Research Intern* — *June 2017 - August 2017*
- Designed machine learning pipelines to recommend educational 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 process raw data from educational social network.
- Supervised by Dr. Hannes Marais, Edmodo's CTO of AI

**Copilot Support Line** — Palo Alto, CA
*Director* — *June 2016 - June 2018*
- Executive Director (October '17-June '18), Technology Director (June '16 - October '17)
- Built an online, anonymous peer-to-peer mental health counseling service for teens.
- Implemented open-source full-stack web application, and designed proactive solutions to handle user and volunteer interactions
- Managed engineering staff, school-based liaisons, platform volunteers, and legal discussions with local and national mental health advocates.

**GunnHacks** — Palo Alto, CA
*Director* — *March 2016 - October 2017*
- Organized GunnHacks 2.0, 3.0, and 4.0, Gunn High School's annual hackathon.
- Secured thousands of dollars in sponsorship and secured partnerships with local companies.
- Coordinated workshops, events, and provided technical mentorship to 200+ attendees while also managing food/check-in services.

**TEDxGunnHighSchool** — Palo Alto, CA
*Director* — *August 2015 - May 2018*
- President (2017-18), Head Technology Coordinator (2016-17), Speakers Committee (2015-18)
- Curated multiple TEDx events with high-profile speakers including Stanford professors, AI researchers, musicians, and even the co-founder of LinkedIn.
- Developed website, marketing material, and architected technical solutions to bring TED-licensed event to 1000+ attendees.

**MakeGamesWithUs (YC W12)** — Menlo Park, CA / Palo Alto, CA
*Game Development Intern* — *Summer 2012 and Summer 2013*
- Developed games for iOS with MakeGamesWithUs (now Make School) in studio setting.
- Designed and built "Bison Run" & "Blend: Fruity Insanity!" (published to App Store)
- Featured in articles by San Francisco Chronicle, Knowledge@Wharton, Palo Alto Weekly, and MakeGamesWithUs.

## Education

- **University of California, Berkeley** — Berkeley, CA
  *B.S., Electrical Engineering and Computer Science* — *2018 - 2022 (expected)*
  - Regents' and Chancellor's Scholar

- **Henry M. Gunn High School** — Palo Alto, CA
  *General Education, GPA: 4.3/4.0* — *2014 - 2018*
  - President of United Computations (CS Club), TEDx, and Tri-M Music Honor Society.
  - Jazz Ensemble, Wind Ensemble, Engineering Club, Track and Field, Cross Country, Class Council.

## Selected Awards

2016 MIT Zero Robotics Challenge International Space Station Finalist . . . . . . . January 2017
2016 Icehouse Challenge Semi-finalist, IEEE + MIT Lincoln Laboratory . . . . . . . . April 2016
3rd Place for Congressional App Challenge (CA-18) . . . . . . . . . . . . . . . . February 2016
Best Cloud Based Mobile App at PennApps XII, UPenn & Goldman Sachs . . . . September 2015
Top 10 at PennApps XII, UPenn . . . . . . . . . . . . . . . . . . . . . . . . September 2015
Apple WWDC 2015 Scholarship Recipient . . . . . . . . . . . . . . . . . . . . . May 2015
Top 10 at MHacks V, University of Michigan . . . . . . . . . . . . . . . . . . . January 2015

## Selected Open-Source Projects (github.com/gmittal)

- **Fake News Classifier** — Python, Keras
  *Exploring fake news classification using deep recurrent neural networks.* — *June 2018*

- **JazzML: Real-time Computer Jazz Improvisation** — Python
  *ML models and signal processing scripts for real-time music generation.* — *Summer 2016*

- **Inzen** — Python
  *A vector-space search engine that uses Latent Semantic Analysis.* — *April 2017*

- **Kenko** — JavaScript (Node.js), Obj-C
  *A CV-based iOS assistant that gives nutritional content from a photo.* — *September 2015*

## Skills

- Fluent: Python, JavaScript, HTML/CSS, Swift, Git, UNIX, REST APIs.

- Proficient: Java, Scheme, Node.js, Flask, Emacs.

- Rusty: C, Objective-C.