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 (W), 4.0 (UW)

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 • GraphQL • HTML • CSS
jQuery • Node • Flask • Express
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
CS61C: Machine Structures (Fall 2019)
CS70: Discrete Mathematics and Probability Theory (Fall 2019)
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
- Working on the user-facing data pipeline for Connect, fulfilling top asks for Lyft, TaskRabbit, Blackbaud and other platforms on Stripe.
- Building end-to-end product features with React, Ruby, and GraphQL

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.

MAKE SCHOOL | 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

COPILOT | Executive Director
June 2016 - June 2018 | JavaScript, CSS, Node
- Built an 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-sourced the project: github.com/projectcopilot

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 30/300	Accel Scholar (run by Accel Partners + Berkeley EECS)
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