Vipul Gupta

Team leader in program and product development, broadening social impact through innovation and technology

2320 California Street, Berkeley, CA 94703 * 630-341-1665 * vipgupta@gmail.com

EXPERIENCE

Senior Content and Instructional Designer, *GOOGLE, CS Edge*, San Francisco, CA: 2015 – present

- Content and Training Co-Lead for new, innovative program developed through Google Community Outreach
- Bringing together teams in curriculum, facilities, professional development and evaluation
- Collaborating with faculty from MIT Media Lab

Project Specialist/Program Manager, *NORTHERN CALIFORNIA CAREER PATHWAYS ALLIANCE*, San Rafael, CA: 2015 – present

- Implementing $15M grant for Northern California Career Pathways Alliance as the Senior Career Technical Pathways Coach for Marin County
- Lead a team of district CTE coaches to develop STEM based pathway programs that connect high school courses, to community college articulation and then to direct job placement in a STEM industry sector.
- Coordinate and lead curriculum development and implementation with industry, community college and district partners

Lecturer, *UNIVERSITY OF CALIFORNIA BERKELEY, Graduate School of Education*, Berkeley, CA: 2014 – 2015

- Teach UGIS 303: Apprentice Teaching (Math and Science) along with EDUC 390D Supervisory Group
- Supervise and coach STEM teacher credential candidates in middle school and high school placements

Director of STEM Education, *REALM CHARTER SCHOOL*, Berkeley, CA: 2014 – 2015

- Science, Math, Computer Science Department Chair: Train, mentor and coach STEM teachers in both the middle school and high school. Developed a collaboratively generated observation and evaluation rubric for both new and veteran teachers in STEM and PBL.
- Lead curriculum development teams in Science, Computer Science/Technology, Math and Engineering by engaging UC Berkeley resources. Create long term project plans for developing and implementing innovative STEM curriculum using both known best practices and untested methods for teaching and learning in STEM.
- STEM education grant writing: Work with administration to create budgets and proposals to secure funding for additional STEM resources. Project plan lab and engineering space development.

Curriculum and Instruction Director, *THE LEVEL PLAYING FIELD INSTITUTE*, Oakland, CA: 2013 – 2014

- Developed programs with research and development divisions to evaluate and showcase academic programs gaining larger recognition and future funding. Awarded NSF computer sciences grant and helped develop other grants for corporations (Google RISE, AT&T), foundations, and private donors.
- Managed team of teacher leaders as well as over 50 seasonal, instructional faculty in math, science, computer science, and engineering. Created detailed evaluation rubric based on a collaborative and a growth-oriented mindset toward teacher observation and development.
- Wrote new STEM content curriculum for 5 core subjects: Computer Science, Science, Math, Engineering and Design, and College Success. Created interactive, accompanying website.
- Led professional development sessions for STEM faculty. The professional development focused on integrative practices in engineering that combined science, math, and computer science principles through a design-learning format.
- Developed curriculum and professional development practice for Level the Coding Field National Hackathons and Camp Code computer science engagement events

Program Director and Teacher, *THE ATHENIAN SCHOOL*, Danville, CA: 2011 – 2103, *SAN FRANCISCO UNIVERSITY HIGH SCHOOL*, San Francisco, CA: 2007 – 2011, *WASATCH ACADEMY*, Mount Pleasant, UT: 2004 – 2007

- Designed and taught courses on AP/IB Physics C/B, Honors Physics, Astronomy, AP Calculus and Chemistry
- Awarded a $72K PG&E Bright Ideas Grant to develop and implement 5 units for a Green Technology Curriculum.
- Founded and managed an in-school time lecture series, connecting over 100 students to 12 research scientists from UC Berkeley and Stanford
- Served as Program Coordinator for the outdoor program, Science Department representative on the Curriculum Committee
- Arch Coal Outstanding Teacher nominee for its first year in Utah.

Doctoral Candidate Research Scientist, *BROOKHAVEN NATIONAL LABS*, New York, NY: 2002 – 2003

- Graduate research assistant for Dr. Brian Cole, NEVIS Labs, Columbia University Department of Physics
- Built and developed code for a zero-degree calorimeter within the PHOENIX Detector.

Assistant Research Scientist, *WILDLIFE CONSERVATION SOCIETY*, Tanzania: 2000 – 2001

- Organized and conducted research on plant-animal interactions in a bio-diversity "hotspot" for Professor Henry Howe (University of Illinois) at the East Usambara Conservation Management Program
- Publication: "Hornbills facilitate exotic tree invasion in an African biodiversity hotspot," *Oceologia*

EDUCATION

UNIVERISTY OF CALIFORNIA, Berkeley, CA
M.B.A, Haas School of Business Management (expected 2018),
Honor: Dean's Scholar Award

COLUMBIA UNIVERSITY, New York, NY
M.Sc. Physics, Department of Physics, Conferred May 2003
M.A. Philosophy, Department of Philosophy, Conferred May 2003

UNIVERSITY OF ILLINOIS, Chicago, IL
B.A. Philosophy, B.S. Physics Conferred May 2000

CERTIFICATIONS

Clear California Teaching Credential (Secondary Science, Physics)

Linked Learning Certified Instructional Coach
Understanding by Design Certified Instructor
American Mountain Guiding Association Rock Guide Certification
Wilderness First Responder
CPR Certification
AIRE Level I Avalanche Safety Certification
Schools Attuned Certified Instructor