

BENJAMIN T. GEE

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EDUCATION

Bachelor of Liberal Arts in Biology , Tufts University, Boston, MA	2012
Bachelor of Liberal Arts in Anthropology , Tufts University, Boston MA	2012
Exchange Student, Faculty of Social Sciences , University of Hong Kong, Hong Kong	2011

RESEARCH & PROGRAM INNOVATION

FitClik – A SOCIAL MEDIA NETWORK FOR HEALTH PROMOTION 2014 – Present
DEVELOPER (www.fitclik.org)

FitClik is a unique social media platform designed to enhance nutrition and fitness habits in Washington DC's lower-income middle school students. I developed *FitClik* using open source software, HTML and CSS. Employing mentors from the NIH, the program facilitates online peer-peer and peer-mentor interactions, weekly challenges, and collaborative goal-setting in a social-media environment (think Facebook but for exercise and nutrition). The program is supported by the NIH Academy and partnered with Friendship Public Charter School.

TELEDIABETI – A WEB INTERVENTION FOR DIABETES MANAGEMENT 2012 – Present
DEVELOPER and INVESTIGATOR (www.telediabeti.com) Tirana, Albania

Telediabeti is a web application designed to improve diabetes management by facilitating patient-provider communication through routine blogging and treatment scheduling in rural Albania. I developed this platform using open source software, HTML, CSS and PHP. TeleDiabeti has just finished a successful pilot phase enrolling 12 patients and 3 physicians in Albania. This project is supported by an exploratory research grant from the International Virtual e-Hospital Foundation and partnered with the Mother Teresa Hospital of Albania. More information can be found here: www.benjamingee.com/research.html

QUESTIONNAIRE – MULTIPLE CHOICE PROCEDURE FOR EATING BEHAVIOR 2013 – 2014
DEVELOPER (www.benjamingee.com/mcp) Bethesda, MD

I proposed and developed a web-based questionnaire to assess and compare the relative reinforcing value of hyper-palatable foods and normal-palatable foods. The questionnaire is currently being administered to measure the behavioral components of over-eating in the Pregnancy Eating Attributes Study, a NIH-funded observational study in Chapel Hill, NC.

PROFESSIONAL EXPERIENCE

Intramural Research Fellow

2013 – Present

Health Behavior Branch,

National Institute of Child Health and Human Development, National Institutes of Health

Bethesda, MD

- Conducted behavioral epidemiology and intervention research in the areas of nutrition, physical activity, substance use, driving and chronic disease management.
- Used SAS, R, and Excel to manage and analyze longitudinal data across 10 manuscripts and abstracts using a variety of statistical procedures, including mixed model, auto-regression/cross-lagged, latent class, and Cox proportional hazards regression analyses.
- Supported branch-related tasks by conducting literature syntheses, developing study materials, and writing / editing essential components of manuscripts for publication.
- Developed web app for children to measure reaction time with/without distraction (www.benjaminjee.com/reaction)

Global Health Research Fellow

2012 – Present

International Virtual e-Hospital Foundation

Tirana, Albania

- Received an exploratory research and travel grant to implement multiple survey and intervention projects studying chronic disease management in Albania and Kosovo.
- Developed and administered surveys exploring the social, clinical, and educational facets of diabetes management practices in Albania
- Conducted ethnographic interviews to identify and expound culturally-specific behaviors relevant to patient care regimens
- Developed a web-based survey to generate feedback for a step-wise protocol designed to establish national and regional telemedicine centers. (www.benjaminjee.com/survey)
- Developed an IRB-approved online questionnaire to survey over 20,000 international experts in e-Health

Research Assistant

2011 – 2012

Eliot-Pearson Department of Child Development

Medford, MA

- Collected qualitative data through ethnographic observations and interviews with local educators, parents, and children at a lower-income pre-school classroom in Boston Chinatown

Research Assistant

2011 – 2012

Department of Plant Pathology, University of Arizona

Tucson, AZ

- Elucidated the late metabolic steps in (+)- pisatin synthesis, a unique phytoalexin in pea plants
- Synthesized desired products using discontinuous enzyme assays
- Measured accumulation using reverse-phase HPLC and isolated with thin-layer chromatography

Research Assistant

Summer 2011

University of Arizona: Rural Health Office

Tucson, AZ

- Compiled, organized, and presented demographic and socioeconomic data from 2010 U.S. Census Bureau among Arizona's fifteen counties

- Analyzed data using Student Data Desk to determine the associations between socio-demographic factors and rates of obesity in counties.

Research Assistant

Fall 2010

Tufts University Department of Immunology

Medford, MA

- Measured chemotactic attraction of HMC-1 Leukemic cells to the neuropeptide neurotensin
- Cultured HMC-1 cells, facilitated cell response using Boyden blind-well chambers, and assayed cell activity with a hemocytometer

REFEREED PUBLICATIONS

1. **Gee, B.**, Nansel, T., & Liu, A. (2015). The reduction of hypoglycemic events with a behavioral intervention: A randomized clinical trial for pediatric patients with Type I diabetes mellitus. *Diabetic Medicine* (in-press).
2. Lipsky, L., Haynie, D., Liu, D., Chaurasia, A., **Gee, B.**, Li, K., Iannotti, R., Simons-Morton, B. Trajectories of eating behaviors in a nationally-representative cohort of US adolescents. *JAMA Pediatrics*. (Under review).
3. Li, K., Liu, D., Haynie, D., **Gee, B.**, Chaurasia, A., Seo, D.C., Iannotti, R., & Simons-Morton, B. Environmental-status influences on the transitions in physical activity among emerging adults. *JAMA Pediatrics*. (Under review).
4. Ehsani, J., Ionides, E., Klauer, S., Perlus, J., **Gee, B.**. The Effectiveness of Cell Phone Restrictions for Young Drivers: A Review of the Evidence. *Injury Prevention*. (Under review).

CONFERENCE PRESENTATIONS

1. **Gee, B.**, Nansel, T., Liu, A. (2015). Identifying Latent Subgroups of Parent-Child Relationships in Youth with Type 1 Diabetes. Society for Prevention Research. Washington, DC.
2. **Gee, B.**, Li, K., Haynie, D., Iannotti, R., & Simons-Morton, B. (2015). Prospective associations between physician advice and substance use in a youth cohort. Society of Behavioral Medicine. San Antonio, TX.
3. **Gee, B.**, Nansel, T., & Liu, A. (2015). A clinic-integrated behavioral intervention reduces hypoglycemia in youth with type 1 diabetes. Society of Behavioral Medicine. San Antonio, TX.
4. Lipsky, L., Haynie D., Liu, D., Li, K., Chaurasia, A., Nansel, T., **Gee, B.**, Simons-Morton, B. (2015). Trajectories of eating behaviors over four years in a nationally-representative cohort of U.S. adolescents overall and by baseline weight status. International Society of Behavioral Nutrition and Physical Activity.
5. **Gee, B.**, Latifi, R., Shevroja, E., Keri, D. (2014). Measuring the clinical utility and feasibility of a web-based intervention for diabetics in Tirana, Albania. The International Congress of Biomedical Sciences. Tirana, Albania.
6. **Gee, B.** (2013) Latifi, R., Shevroja, E, Alimehmeti I., Keri, D. Using web-based technology to improve

patient self- management of Diabetes: Rethinking chronic care models in Tirana, Albania. The International Congress of Biomedical Sciences. Tirana, Albania.

7. **Gee, B.** (2012). Identifying products in the late steps of (+)-pisatin biosynthesis. Tufts University Research and Scholarship Symposium, Boston, MA.

ABSTRACT PRESENTATIONS

1. **Gee B.**, Li, K., Haynie, D., Iannotti, R., Lipsky, L., Simons-Morton, B. (2015). Does Prior Adolescent Behavior Increase the Likelihood of Receiving Physician Advice? Prospective Findings from a Nationally-Representative Cohort. Society for Prevention Research. Washington, DC.
2. Li, K., **Gee, B.**, Hingson, R., Simons-Morton., B. (2015). Predicting Substance-Specific Impaired Driving in Emerging Adults. Society for Prevention Research. Washington, DC.
3. Eisenberg, M., Nansel, T., Lipsky, L., **Gee, B.**, Liu, A., Mehta, S., Laffel, L. (2015). Parent Healthful Eating Attitudes and Motivation are Prospectively Associated with Dietary Quality among Youth with Type 1 Diabetes. Society of Behavioral Medicine. San Antonio, TX.
4. Lipsky, L. Nansel, T., **Gee, B.**, Laffel, L., & Mehta, S. (2015). Body mass index and indicators of adiposity are adversely associated with cardiovascular biomarkers in youth with type 1 diabetes. American Heart Association – Scientific Session 2015. Orlando, FL.
5. Li, K., Liu, D., Haynie, D., **Gee, B.**, Chaurasia, A., Seo, D.C., Iannotti, R., & Simons-Morton, B. (2014). Is college a health risk? Social-context influences on the transitions in physical activity among emerging adults. American Academy of Health Behavior. San Antonio, TX.
6. Dasho, E., Como, A., **Gee, B.**, Qesteri, O., & Latifi, R., (2014). Teleautism in Albania - Caring for children with autism while developing the capacities of the national caregivers. American Telemedicine Association. Baltimore, MD.
7. Zeqja, A., Keri, D., **Gee, B.**, & Alimehmeti, I., (2013) Patients' perceived family and social support in managing diabetes. The International Congress of Biomedical Sciences. Tirana, Albania.

RESEARCH TRAINEESHIPS

NIH Academy Fellows Program

August 2014 – September 2015

Office of Intramural Training and Education, NIH

Bethesda, MD

- Accepted into a highly-selective, one year-long fellowship program designed to train physician scientists on identifying and understanding health disparities in the context of public health; particular emphasis was placed on how to incorporate health disparities research into future professional careers.
- Attended and participated in weekly workshops and round-table sessions focused on the scientific, socio-economic, cultural, environmental, and policy factors that contribute to gaps in health outcomes.

REVIEWER

International Conference on Computer Applications & Aided Diagnosis

2014

TEACHING EXPERIENCE

Summer Science Educator

Summer 2010

New York Botanical Gardens

Bronx, NY

- Prepared and delivered lectures focusing on topics in basic plant science to 20 under-served students whom were part of a NYBG minority program.
- Designed a microscope workshop for students to apply learned concepts.

AWARDS

Meritorious Student Abstract - Society of Behavioral Medicine

2015

(Reducing Risks and Improving Glycemic Control among Diabetics)

Meritorious Student Abstract - Society of Behavioral Medicine

2015

(Role of Providers in Behavior Change)

NIH Academy Fellow

2014

NIH Intramural Research Training Award

2013

Tufts University Loan Repayment and Assistance Award

2012

Tufts University Deans List

2011, 2012

Pima Community College Biotechnology Summer Institute Award

2006

SKILLS & CERTIFICATIONS

Computer Programming: WordPress, WordPress MS (advanced), HTML (proficient), CSS (proficient), EMPOWER 3

Technical Skills: SAS, SAS Enterprise, SPSS, Adobe Photoshop, Website & Webserver Management, Microsoft Office, Google Analytics

Certifications: Collaborative Institutional Training Initiative (Tufts University, University of Arizona)