

ANDREW K. TENG

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education

University of Washington- <i>Seattle, WA</i> Biomedical and Health Informatics PhD	2017-present
Georgia Institute of Technology- <i>Atlanta, GA</i> Bioinformatics MS	2015-2016
Emory University- <i>Atlanta, GA</i> Mathematics and Computer Science BS	2012-2015



experience

Clinical Analytics Research Group, Dr. Adam Wilcox- <i>Seattle, WA</i> Graduate Research Assistant <ul style="list-style-type: none">- Aiming to create a transferable and generalizable model without configuration that will help standardize sepsis detection across institutions	9/2017-present
Lachance Lab, Dr. Joseph Lachance- <i>Atlanta, GA</i> Graduate Research Assistant <ul style="list-style-type: none">- Analyzed increased risk of prostate cancer in males of African descent- Statistically inferred patterns of ancient and recent admixture- Compared genetic risk scores to with clinical data to predict health disparities	8/2015-12/2016
National Cancer Institute, Biostatistics Branch, Dr. Kai Yu- <i>Rockville, MD</i> Summer Research Intern <ul style="list-style-type: none">- Full genome analysis and exploration of HPV 16 to create a prediction model to forecast cervical cancer likelihood and risk	6-8/2016



projects

Virtual Online Communities for Aging Life Experiences (VOCALE) <ul style="list-style-type: none">- Testing the feasibility and usability of using an online discussion platform for frail elderly adults to learn, manage, and cope with their changing symptoms	2/2018-present
Advanced eICU Clinical Data Visualization Tool <ul style="list-style-type: none">- Collaborated with Emory Healthcare and PHILIPS- FHIR enabled display of eSearch data, customizable add-on to VISICU- Intuitive and customizable dashboard and display of data	2-8/2016
Typing Scheme for non-typeable <i>H. influenzae</i> <ul style="list-style-type: none">- Used Illumina HiSeq 2500 reads from the CDC- Class project that included assembly, gene prediction/annotation, comparative genomics, and development of a genome browser	1-5/2016

publications

Lachance J, Berens A, Hansen MEB, Teng AK , Tishkoff SA, Rebbeck TR. Genetic hitchhiking and population bottlenecks contribute to prostate cancer disparities in men of African descent.	2018
Kim M, Patel K, Teng AK , Berens A, Lachance J. Genetic disease risks can be misestimated across global populations	2018

presentations

NCI DCEG Summer Poster Presentation- <i>Rockville</i> - Presented	8/2016
NIH Summer Research Program- <i>Bethesda, MD</i> - Presented	7/2016



skills

Microsoft Office, HTML, CSS, Java, Perl, MATLAB, R	****
SQL, JS, Python, Shell Scripting, Photoshop	***
C, LATEX, Awk	**



related coursework

Multivariable Calculus, Linear Algebra, Probability and Statistics, Numerical Analysis; Database Systems, Discrete Structures, Systems Programming, Data Structures and Algorithms, Theory of Computing, Software Engineering; Principles of Biology/ Physics/ Chemistry, Organic Chemistry, Biochemistry, Human Anatomy and Physiology; Public Health/ Clinical/ Consumer Health Informatics