

# ANDREW K. TENG

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## education

University of Washington- *Seattle, WA*  
Biomedical and Health Informatics PhD

*Incoming*

Georgia Institute of Technology- *Atlanta, GA*  
Bioinformatics MS

2015-2016

Emory University- *Atlanta, GA*  
Mathematics and Computer Science BS

2012-2015



## experience

Lachance Lab, Dr. Joseph Lachance- *Atlanta, GA*  
Graduate Research Assistant

8/2015-12/2016

- 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

National Cancer Institute, Biostatistics Branch, Dr. Kai Yu- *Rockville, MD*  
Summer Research Intern

6-8/2016

- Project Title: Genome Characterization of Human Papillomavirus 16
- Full genome analysis and exploration of HPV 16
- Analyzed correlation between various loci
- Created a prediction model to forecast cervical cancer likelihood and risk



## projects

Advanced eICU Clinical Data Visualization Tool

2-8/2016

- 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

Typing Scheme for non-typeable *H. influenzae*

1-5/2016

- Used Illumina HiSeq 2500 reads from the CDC
- Class project that included assembly, gene prediction/annotation, comparative genomics, and development of a genome browser

## 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.

*Submitted*

## presentations/ conferences

American Society of Human Genetics (ASHG)- *Vancouver, BC*- Attended  
NIH Summer Research Program Poster Day- *Bethesda, MD*- Presented  
International Conference on Bioinformatics- *Atlanta, GA*- Attended

10/2016

7/2016

11/2015



## skills

Microsoft Office: Word, PowerPoint, Excel  
HTML, CSS, Java, Perl, MATLAB, R  
SQL, JS, Shell Scripting, Photoshop  
C, Python, Awk

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## related coursework

Multivariable Calculus, Linear Algebra, Probability and Statistics, Foundations of Math, 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



## interests

Clinical Healthcare  
Precision Medicine  
Personal Genomics

