ANDREW K. TENG

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education

Georgia Institute of Technology- *Atlanta, GA*
Bioinformatics MS
2015-12/2016 (*exp*)

Emory University- *Atlanta, GA*
Mathematics and Computer Science BS
2012-2015

experience

Lachance Lab, Dr. Joseph Lachance- *Atlanta, GA*
Graduate Research Assistant
8/2015- Present
- Analyzing increased risk of prostate cancer in males of African descent
- Statistically inferring patterns of ancient and recent admixture
- Comparing genetic risk scores to with clinical data to predict health disparities

National Cancer Institute (DCEG-BB)- 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
- Analyzing correlation between various loci
- Creating a prediction model to forecast cervical cancer likelihood and risk

Emory St. Joseph's Hospital- *Atlanta, GA*
Student Extern
1/2015
5/2014
- Shadowed Anesthesiologist, Anesthesiologist Assistants, and CNRAs
- Followed and learned routines, patient interaction, and OR procedures
- Total of 25 hours

projects

Advanced eICU Clinical Data Visualization Tool
2/2016-Present
- Collaboration with Emory Healthcare and PHILIPS
- FHIR enabled display of eSearch data, customizable add-on to VISICU
- Intuitive and customizable dashboard and display of data

publications

Lachance J, Berens A, Hansen MEB, Teng AK, Tishkoff SA, Rebbeck TR. Population and evolutionary genomics of prostate cancer associated variants: implications for health disparities in men of African descent.
In preparation

presentations/ conferences

American Society of Human Genetics (ASHG)- Vancouver, BC- Attended
10/2016
NIH Summer Research Program Poster Day- Bethesda, MD- Presented
7/2016

skills

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

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