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

National Cancer Institute- DCEG- BB, Dr. Kai Yu - *Rockville, MD*   6/2016-Present
Summer Research Intern
- 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

Lachance Lab, Dr. Joseph Lachance- *Atlanta, GA*   8/2015- Present
Graduate Research Assistant
- 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

Emory St. Joseph's Hospital- *Atlanta, GA*   1/2015
Shadowing Anesthesiologist, Anesthesiologist Assistants, and CNRAs   5/2014
- Followed and observed daily rounds, routines, and OR procedures
- Total of 25 hours

projects

eICU 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.   *In preparation*
Population and evolutionary genomics of prostate cancer associated
variants: implications for health disparities in men of African descent.

skills

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

related coursework

- Math: Multivariable Calculus, Linear Algebra, Probability and Statistics, Foundations of Math, Numerical Analysis
- CS: Database Systems, Discrete Structures, Systems Programming, Data Structures and Algorithms, Theory of Computing, Software Engineering
- Science: Principles of Biology/ Physics/ Chemistry, Organic Chemistry, Biochemistry, Human Anatomy and Physiology

interests

Healthcare
Precision Medicine
Personal Genomics