

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*
Summer Research Intern

6/2016-Present

- Project Title: Genome Characterization of Human Papillomavirus 16
- Creating a scoring metric for Human Papillomavirus 16
- Creating a prediction model to forecast cervical cancer likelihood and risk

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

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

1/2015

5/2014



projects

eICU Visualization Tool
- 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

2/2016-Present

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



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

- 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

