

# ANNIE TANG

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## EDUCATION

### Duke University

B.S. Computer Science | B.S. Statistics

- GPA: 3.7/4.0

Relevant Coursework: Design and Analysis of Algorithms, Software Design and Implementation, Operating Systems, Introduction to Databases, Statistics 250 (mathematical statistics course covering likelihood and Bayesian methods), Regression Analysis, Probability, Algorithms and Data Structures, Computer Architecture, Discrete Mathematics, Linear Algebra, Multivariable Calculus, Statistical Inference

### High Technology High School – #1 STEM School in the Nation (US News & World Report 2016)

- GPA: 96.5/100

Durham, NC

2014 - 2018

Lincroft, NJ

2010 - 2014

## SKILLS

Proficiencies: Java, Python, C, R

Significant Experience In: CSS, HTML, HiveQL, Microsoft Power BI, Hadoop, Swift, JavaScript, SQL, MIPS Assembly, Cypher (Neo4j query language), Git

## PROFESSIONAL EXPERIENCE

### AT&T – Big Data Technical Intern

Jun 2016 – Aug 2016

- Applied graph database Neo4j (first in AT&T Big Data to utilize this technology) and other statistical tools to data-driven analyses of employee productivity, automation opportunities, and resource management.
- Aided in key decision-making processes that resulted in XX% increase in employee productivity.
- Final intern presentation selected to be replayed for John Donovan, Chief Strategy Officer & Group President

### AT&T – College Recruiting Ambassador

- Assist AT&T recruiters as a representative at Duke University, inform students of and speak on new opportunities.

### Google – CodeU

Mar 2016 – Aug 2016

- Exclusive development program to strengthen technical skills, through an online technical development curriculum and final programming project. Program culminates in an all-expense paid summit at Google in August 2016.
- Matched with a Google mentor to participate in mock interviews and meet regularly with throughout the program

### Undergraduate Researcher at Duke, Department of Computer Science

Jan 2017 –

- Working with PhD student and faculty in Duke's Department of Computer Science on creation of an interactive tool to improve online query performance analysis through the use of large-scale, multi-level, directed acyclic dependency graphs.

### Teaching Assistant at Duke – CS 250: Computer Architecture

Jan 2016 –

- Responsibilities include holding weekly office hours (both in-person and online), teaching lab sections, and grading.

### Data+, Information Initiative at Duke – Data Science Researcher & Developer

May 2015 – Aug 2015

- One of three students selected by mathematics department for a paid summer data science initiative
- First researcher in the neuroscience department to apply machine learning algorithms such as linear discriminant analysis, random forests, and k-means to predict individual risk behavior preference
- Created and implemented a predictive model 40% more accurate than previously available models

## PROJECTS

### AnnieKatelynTang.com

- Created personal website from scratch using CSS, JavaScript, and HTML, integrated Jekyll and Github's hosting platform

### Cameron Crazies Tenting App

- Created an iOS application for Duke Students to use during tenting\* season to coordinate schedules, keep tabs on tent checks and K-Ville happenings, etc. \*tenting: Duke students form organized groups and sleep in tents from January - February to secure spots in our yearly Duke-UNC home game.

## ORGANIZATIONS & LEADERSHIP EXPERIENCE

### Webmaster – Duke Statistical Science Majors Union

Sept 2016 –

### Webmaster – Intercollegiate Taiwanese American Student Association

Aug 2015 – Aug 2016

### InterVarsity Christian Fellowship Leadership

May 2015 –

- Vision Team member (2016 – ): vision cast for the direction of the chapter, plan structures (retreats, on-campus events, etc.)
- Large group leader (2016 – ): organize and lead weekly chapter-wide fellowship.
- Small group leader (2015 – 2016): co-lead weekly bible study for freshman students.