

# ANNIE TANG

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## EDUCATION

### Duke University

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

*Durham, NC*

2014 - 2018

- GPA: 3.7/4.0
- Relevant Coursework: Design and Analysis of Algorithms, Software Design and Implementation, 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)

*Lincroft, NJ*

- GPA: 96.5/100
- Relevant Coursework: Engineering Design and Development, Principles of Engineering, Computer Integrated Manufacturing, Software Applications, Data Analysis, Multivariable Calculus, AP Calculus BC (5), AP Statistics (5)

## SKILLS

Java, Python, C, R, CSS, HTML, JavaScript, MIPS, SQL, HiveQL, Hadoop, Cypher (Neo4j query language), Microsoft Power BI

## PROFESSIONAL EXPERIENCE

### AT&T – Big Data Technical Intern

Jun 2016 – Aug 2016

- Utilized graph databases (Neo4j) and statistical tools to break down business problems into data-driven analyses.
- Aided in key decision-making processes that guide improvements in employee productivity and resource management.

### 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.

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

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

### 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.

## PROJECTS

### AnnieKatelynTang.com

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

### Cameron Crazies Tenting App [In Progress]

- Creating 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.

### "Old Hollywood Glamour" – Technology Student Association Fashion Design Competition

- National Champion (1<sup>st</sup> place) project at fashion design and technology integration competition of over 100 schools
- Utilized 3D virtual prototyping software to take original designs from concept to production

## ORGANIZATIONS & LEADERSHIP EXPERIENCE

### Webmaster – ITASA.org

Aug 2015 – Aug 2016

- Create and maintain web presence for a national level Intercollegiate Taiwanese American Student Association

### InterVaristy 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.

### VP Cultural Affairs – Asian Student Association

Sept 2014 – May 2016

- Serve on Executive Board of largest organization on campus with over 1,000 participants
- Responsible for execution of annual cultural performance with over 2,000 yearly attendance

### Volunteer at Durham Animal Protection Society (APS)

Jun 2015 –