

# ANNIE TANG

Box 93722, Durham, NC 27708 | (678) 296-8828 | annie.tang@duke.edu

## EDUCATION

### Duke University

Durham, NC

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

May 2018

- Relevant Coursework: Algorithms and Data Structures, Computer Architecture, Discrete Mathematics, Multivariable Calculus, Statistical Inference

### High Technology High School

Lincroft, NJ

- No. 1 ranked STEM school, *US News and World Report*

Jul 2011 – Aug 2015

- 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)

## PROFESSIONAL EXPERIENCE

### Data+, Information Initiative at Duke

Durham, NC

#### Data Scientist Intern

May 2015 – Aug 2015

- Among 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
- Paper selected by machine learning department faculty to be presented at national research conference during the year

### JorVet

Holmdel, NJ

#### Product Growth Lead

May 2012 – Aug 2012

- Developed growth strategy for New Jersey based startup selling patented post-surgical collars for animals
- Drove product and recognition through local and online channels to bring 100K views to website

### Rice and Brown Architects

Sea Girt, NJ

#### Intern

June 2013 – Aug 2013

- Worked directly with CEO and multiple stakeholders to create specifications for multiple design projects
- Managed end to end development of architectural drafts, from working with clients to implementing designs in software

## PROJECTS & LEADERSHIP EXPERIENCE

### AnnieKatelynTang.com

- Created personal website from scratch using CSS, Javascript, and HTML
- Designed own graphics using Adobe Photoshop and Illustrator
- Integrated Heroku App and GitHub's hosting platform

### "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 and 2D CAD/CAM pattern applications to take three original designs from concept to production

### Statistical Analysis of Childhood Respiratory Disease

- Implemented regression techniques to analyze medical data on childhood pulmonary respiratory disease, in order to determine patterns of improvement
- Created a predictive model that explained 57.2% of the variation in Forced Expiratory Volume (FEV)

### VP Cultural Affairs – Asian Student Association

- 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

### Webmaster – ITASA.org

- Create and maintain web presence for a national level Intercollegiate Taiwanese American Student Association of several thousand members
- Implemented new mailing list and information page, serving 100 members

## SKILLS & INTERESTS

**Awards:** 1<sup>st</sup> Place National Fashion Design Competition, 1<sup>st</sup> Place National Science Media Competition

**Technical Skills:** Java, Python, C, R, CSS, HTML, JavaScript

**Organizations:** Durham Animal Protection Society (APS) Volunteer, InterVarsity Christian Fellowship Small Group Leader, Females Excelling More in Math, Engineering, and Science (FEMMES) Volunteer, ArtsConnect Volunteer, Asian Student Association Class Representative