

ANNIE TANG

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

EDUCATION

Duke University

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

Durham, NC

2014 - 2018

- GPA: 3.7/4.0

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

High Technology High School

Lincroft, NJ

- GPA: 96.5/100; Ranked #1 STEM school, *US News and World Report*

2010 - 2014

- 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

Teaching Assistant at Duke

Durham, NC

CS 250: Computer Architecture

January 2016 –

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

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 (1st 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% 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
- Implemented rebranding, new mailing list, and information page, serving several thousand members

SKILLS & INTERESTS

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

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