ANNIE TANG

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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

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 (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 57.2% 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: 1st Place National Fashion Design Competition, 1st 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