

Benjamin Yip

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Summary

Aspiring analytics professional with applied machine learning experience and a knack for R and Python programming. Adaptable team member and capable independent worker, effective in fast-paced environments. Strengths include the following:

- Communicating complex data science projects to audiences with varied analytics experience
- Collaborating with teammates to think through challenges and develop well-suited analytics solutions

Education

The University of North Carolina at Chapel Hill

BACHELOR OF SCIENCE IN STATISTICS AND ANALYTICS; ECONOMICS, MINOR IN ARABIC

Chapel Hill, NC

Aug. 2014 - May 2018

The Institute for Advanced Analytics, North Carolina State University

MASTER OF SCIENCE IN ANALYTICS

Raleigh, NC

Exp. May 2019

Practicum

In lieu of a master's thesis, all students at the Institute for Advanced Analytics work in small teams to complete 8-month long practicum projects sponsored by real companies. Each 4-5 person team is tasked with using company data to produce an analytic solution to the sponsor's business needs. Deliverables include two presentations, a comprehensive final report, and all code, models, and any other data products produced over the course of the project.

Bank of America

TEAM LEAD

Charlotte, NC

Sept. 2018 - Present

- Partnering with Consumer and Small Business AML team to develop new techniques to optimize high risk customer identification
- Implementing automated feature engineering on transactional data
- Developing machine learning models to improve precision of identifying high risk customers
- Designing interactive dashboards for exploratory analysis and reporting

Experience

National Science Foundation Research Experience for Undergraduates (NSF-REU) in

Statistical Data Mining and Machine Learning for Computer Vision

Wilmington, NC

RESEARCH INTERN

May 2017 - July 2017

- Collaborated with fellow interns on extensive image pre-processing and data cleaning projects (over 55,000 images and associated metadata from MORPH-II database)
- Developed an SVM-based framework for computing race-composite age estimates from facial images using scikit-learn, NumPy, and pandas packages for Python
- Presented project poster to audience of varied levels of exposure to machine learning and related topics at UNCW summer research showcase, 2017 UNCG RMSC
- Led and participated in technical demonstrations on Python/OpenCV, R

Skills & Certifications

Programming R, Python, SAS, SQL

Software Tableau

Certifications SAS Certified Base Programmer for SAS 9, SAS Certified Statistical Business Analyst Using SAS 9: Regression and Modeling, SAS Certified Advanced Programmer for SAS 9, UNC Business Essentials

Activities

ASA DataFest at Duke University (2017, 2018)

Durham, N.C.

PARTICIPANT

- Completed project on top spring break destinations of Expedia's undergraduate users, earned finals berth and ultimately an honorable mention (2017)
- Performed survival analysis of job posts on Indeed (2018)