

# Benjamin Yip

🏠 yipben.github.io | 📷 yipben | 🌐 yipben

## 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 eight-month practicum projects sponsored by real companies. Each four to five 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

Charlotte, NC

TEAM LEAD

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

### I Know I Can Too Summer Academy

Ramallah, Palestine

TEACHING ASSISTANT

Jul7 2016 - Aug. 2016

- Supported the teaching of English as a second language to 3rd and 4th grade students
- Assisted teachers and other faculty members in lesson preparation and day-to-day program tasks

## Skills & Certifications

**Programming** R, Python, SQL, SAS

**Software** Tableau, Git

**Web** HTML/CSS

**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

Durham, N.C.

PARTICIPANT

2017, 2018

- 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)