

Benjamin T. Yang

6 Brunelleschi Ct., Monmouth Junction, NJ 08852
(609) 356-8275 | yang.benjamin1998@gmail.com

EDUCATION

Rutgers University – Honors College

Bachelor of Science in Computer Science, Mathematics, and Cognitive Science

New Brunswick, NJ

Sept. 2016 – May 2020

- **Cumulative GPA:** 3.97 / 4.0; **Class Rank:** 10 / 920
- **Coursework:** Deep Learning (Coursera), Theory of Probability, Data Structures, Algorithms, Operating Systems
- **Honors:** Dean's List (All Semesters), Road to Wall Street (Financial Modelling Course), SAS Excellence

WORK EXPERIENCE

HackNY Fellows – MakeSpace Engineering

Software Engineering Intern – Item Tagging Widget

New York City, NY

May 2018 – Aug. 2018

- Developed Item Tagging Widget using Computer Vision / Machine Learning APIs like Amazon Rekognition
- Created in-house Machine Learning model to tag ~1 million photographs of stored items and boxes
- Wrote data analysis report on the volume and type of stored items using data visualization software (D3.js, etc.)

XLP Capital

Software Engineer – Monument AI

New York City, NY

Mar. 2018 – Present

- Implemented data source integrations (loading and analysis) for Interactive Brokers, Bloomberg, CCXT, etc.
- Developed trading platform GUI in J, allowing for resizing, tabbing, Excel functionality using QT Framework
- Wrote three trading algorithms for trading NYSE equities & cryptocurrencies, algorithms still in development

Metropolitan Life

Summer Intern – Investments IT

Whippany, NJ

May 2017 – Aug. 2017

- Developed Go Multithreading Tester App that stress tests MetLife data bases for correct multithreading
- Worked with MongoDB and Java to develop automated derivative transaction builder and library for data use
- Used Python to download & sort 100GB+ USDA/NASS data; presented on Docker and Microservices

PROJECT & LEADERSHIP EXPERIENCE

Quantitative Finance Club

President – Executive Board

New Brunswick, NJ

Sept. 2017 – Present

- Orchestrated and taught advanced technical presentations involving trading models, finance & CS theory
- Mentored 100+ members regarding technical and practical knowledge for interviews and career search
- Designed handouts that describes recruiting timelines, job listings, academic coursework, etc. for general members

FIGS Peer Instructor

Instructor – Exploring Computer Science

New Brunswick, NJ

Mar. 2018 – Present

- Led a 10 week seminar on Exploring Computer Science with classes in Architecture, Algorithms, Big Data, etc.
- Created 90-page lesson plan document for aspiring Computer Science Freshmen at Rutgers
- Enrolling in 3-Credit pedagogy class to learn more about best practices for education

Undergraduate Student Alliance of Computer Scientists

Outreach Director – Executive Board

New Brunswick, NJ

Sept. 2016 – Present

- Wrote and developed code for official newsletter in HTML, CSS, and Javascript
- Formed relationships with tech firms (Google, Merck, etc.) for sponsoring of Biannual Hackathon HackRU
- Published official report on anti-cheating procedures and programs for Rutgers Computer Science Dept.
- Hacked *Alexa Waiter* using MongoDB, Angular & Alexa to provide an automated ordering system for restaurants

SKILLS, MERITS & OTHER ACTIVITIES

Languages: *Proficient:* Python, Java, J, C; *Learning:* Go, Javascript, R, Swift, Android, Bash

Frameworks: *Proficient:* Django, Flask, ReactJS, SQL; *Learning:* MongoDB, Angular, Tensorflow, SciKit

Tools: *Proficient:* Git, D3.js, Docker, Linux, Jupyter, Shell, VIM; *Learning:* AWS, Bloomberg, Unity, Heroku, VBA

Activities: RU STEAM (Math Chair), Rutgers Enactus (PM – Vets4Warriors), Petey Greene (Tutor), HackRU R&D