

Benjamin T. Yang

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EDUCATION

Rutgers University Honors College

Bachelor of Science in Computer Science, Math & Physics, Dean's List

New Brunswick, NJ

May 2020

- GPA: 4.0 / 4.0

- Coursework: Comp. Arch., AI, Differential Equations, Probability, Discrete Structures, Systems Programming

Program in Algorithmic and Combinatorial Thinking (<https://algorithmicthinking.org/>)

Princeton, NJ

Mentor for Basic Algorithms and Combinatorics

June 2014 – August 2016

- Mentored four students in basic Graph Theory Algorithms (Gale-Shapely, Dijkstra's, Greedy, Dynamic Prog., etc.)
- Wrote and graded midterms and final exams related to basic Algorithm Design and Combinatorics
- Studied Approximation Algorithms, Linear Programming, NP – Complete Reductions and problems

WORK & LEADERSHIP EXPERIENCE

Metropolitan Life

Whippany, NJ

Intern, Investments IT

May 2017 – August 2017; 45.0 hrs / week

- Developed Go Multithreading Tester App:
 - Implements Go to provide a JUnit-type app that stress tests MetLife data bases for correct multithreading
- Built & Tested OXforRD Online Service:
 - Worked with MongoDB and Java to develop automated derivative transaction builder and library for data use
- Miscellaneous:
 - Used Python to download & sort 100GB+ USDA/NASS data; presented on Docker and Microservices

Undergraduate Student Alliance of Computer Scientists

New Brunswick, NJ

Secretary, Medium Writer

September 2016 – Present; 5.0 hrs/week

- Published multiple blog posts for Hackathons and general USACS news and events
- Wrote and developed code for Newsletter in HTML, CSS, and Javascript
- Formed relationships with tech firms (Google, Merck, etc.) for sponsoring of Biannual Hackathon HackRU

PROJECTS & ACTIVITIES

Alley-OOP-Waiter (<https://github.com/BenYang1998/Alley-OOP-Web>)

New Brunswick, NJ

Automated ordering for restaurant customers using Alexa Skill

HackPrinceton Spring 2017

- Finalist and Best Financial Hack at HackPrinceton Spring 2017
- Designed reactive website for customers to view a live and updating receipt, HTML, Javascript, CSS, Angular
- Created RESTful service and database for handling static data, using Nessie API, MongoDB, SparkJava

Here to There

New Brunswick, NJ

A web application to find the optimal Rutgers Bus

HackRU Fall 2016

- Determine the optimal path between two buildings on Rutgers Campus using the bus system
- Developed the website portion of the project, used Tomcat, Servlets, Amazon Echo, Maps and Bus APIs

Rutgers Enactus

New Brunswick, NJ

Secretary, Popcorn for the People Corporate Sales Team

September 2016 – Present; 4.5 hrs/week

- Established sales relationships, conducted outreach, and coordinated one-day events with businesses (such as Hidden Grounds, J&J) in New Brunswick to sell gourmet popcorn for N.P.O. Popcorn for the People
- Won 3rd Place in the Rutgers Enactus Social Case Competition Fall 2016

SKILLS, ACCOLADES & OTHER ACTIVITIES

Languages: Proficient: Go, Java, Python, C; Familiar: Javascript, C++; Learning: iOS, Android, Unity

Frameworks + Tools: Proficient: MongoDB; Familiar: Git, AWS, Angular; Learning: Docker, React, Flask, SQL

Merits & Accolades: ADP Henry Taub Scholar, National Honors Society, National AP Scholar, Henry Rutgers Award

Other Activities: Quantitative Finance Club (Technical Trading Chairman), HackRU Finance, Rutgers TAMID



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benyang.me