

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; Class Rank: 1
- **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

Language Acquisition and Processing Lab of Rutgers University

New Brunswick, NJ

Undergraduate Research Assistant

May 2017 – Present; 4.5 hrs/week

- Performed research on the cognitive and neural basis of language acquisition and processing
- Coded in E-Prime and Python's NLTK and PsychoPy libraries to perform linguistical analysis
- Researched and compared benefits and drawbacks of 15+ eye trackers for neuroscience experiments

PROJECTS & ACTIVITIES

Alley-OOP-Waiter (<https://github.com/benplus1/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

SKILLS, ACCOLADES & OTHER ACTIVITIES

Languages: Proficient: Go, Java, Python, C; Familiar: Javascript, C++, 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



benyang.me