Benjamin T. Yang

2 Cypress Court, Plainsboro, NJ 08536 | yang.benjamin1998@gmail.com | (609) 356 - 8275

EDUCATION

Rutgers University Honors College   **New Brunswick, NJ**
Bachelor of Science in Computer Science, Math & Physics, Dean's List   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 NTLK 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: <u>Proficient:</u> Go, Java, Python, C; <u>Familiar:</u> Javascript, C++, SQL; <u>Learning:</u> iOS, Android, Unity
Frameworks + Tools: <u>Proficient:</u> MongoDB; <u>Familiar:</u> Git, AWS, Angular; <u>Learning:</u> 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

/in/bentyang   /benplus1   /BenYang   benyang.me