

Brandon Gong

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Motivated and hard-working computer science major with a passion for quality and thoroughness. Experienced with working on time-sensitive projects and leading in collaborative settings. Time spent on personal projects means ability to quickly adjust and pick up new skills, software, libraries, etc.

Work Experience

Code Sensei at Code Ninjas (May 2020 – Jan 2021)

- Designed and led summer camps teaching children (age 5-12) how to code. Factored into consideration time, cost, COVID safety
- Learned organizational & effective communication skills, drafted schedules and worked with leadership to ensure all requirements met

Lead Programmer at FRC Team 5002 (2018-2020)

- Shifted codebase from Java to Python to maximize accessibility & ease of development and readability
- Refactored code into modular components, made extensive progress in computer vision and off-board processing, performed code review
- Set schedules, delegated tasks, communicated with build & marketing teams to ensure all software was ready well ahead of time.

Projects

CHS Math Bowl (brandon-gong/chs-math-bowl) – Tournament Manager software (Node.js, Firebase Realtime DB), provided match scheduling, live score updates, rank calculations, etc. Successfully used in 2020 CHS Math Bowl.

CRIS (brandon-gong/chs-math-bowl) – (React Native, Google Cloud API) iOS & Android App helping with composting by providing advice for pictures of food scraps. Also featured custom fuzzy search.

Other projects at github.com/brandon-gong.

Education

Brown University (2021 – expected May 2025) *Relevant Coursework (2021):*

- Accelerated Introduction to Computer Science
- Introduction to Discrete Structures and Probability
- Fundamentals of Computer Systems
- Linear Algebra, Calculus
- Statistical Inference I

Collierville High School (2017-2021):

- Valedictorian (1/~700)
- SAT/ACT: 1560/36
- GPA: 4.7381
- Multivariate Calc, Intro to ODEs, Linear Algebra, Intro to Proof

Awards

- 2020 AIME I: 6
- Java 8 OCA Certified
- National Merit Finalist
- Presidential Scholars Semifinalist

Technical Skills

Java, C++, Python, HTML/CSS, JS, React, Node.js, Git, Linux Shell, Firebase, Scheme

Soft Skills

Communication, time management, problem-solving, planning, versatility