Ryan Gibbons

rjg8@princeton.edu | 732-606-6511

EDUCATION

Princeton University, Princeton, NJ | Expected May 2024
B.S.E. in Computer Science; Intended Certificates in Linguistics & Environmental Science | GPA: 3.9
Relevant Coursework: Algorithms & Data Structures, Prog. Systems, Advanced Prog. Techniques | Dept. GPA: 4.0

Freehold Township High School, Freehold, NJ | Graduated June 2020
Honors: National AP Scholar, Mathematics Scholarship | GPA: 5.28 (Weighted)

TECHNICAL EXPERIENCE

COS Grading Manager | *Department of Computer Science, Princeton University* | January 2021-Present
- Supervise over 100 undergraduate graders across the core Computer Science sequence, including the introductory Computer Science course and Data Structures & Algorithms
- Provide guidance on evaluating student submissions for programming assignments and developing constructive feedback on style and technique as well as run-time and memory efficiency
- Prepare weekly briefs to orient new graders and highlight learning goals for targeted feedback
- Further explain coding ideas to students with serious conceptual misunderstandings as a member of Difficult Submissions Task Force

Full Stack Developer | *Independent Project* | February 2022-May 2022
- Collaborated with three other students to design and build a website for Princeton's acapella organization as a final project for *COS 333: Advanced Programming Techniques*
- Developed multiple iterations of profile creation and calendar scheduling systems for three distinct user types to facilitate the audition process
- Communicated with clients representing the needs of eight participating acapella groups on a weekly basis to clarify design goals and plan new features

Research Assistant | *Princeton Writing Center, Princeton University* | May 2021-August 2021
- Used R to perform exploratory data analysis after gathering and cleaning pilot data to refine initial research goals
- Conducted a literature review on structural rhetoric to provide context on the current state of the field
- Contributed key clarification to the central hypothesis and provided suggestions to improve upon previous oversight
- Developed online survey questions to investigate personal research goals proposed in weekly meetings

CAMPUS ACTIVITIES

Peer Academic Adviser | *Princeton University* | May 2022-Present
- Assist first-year students through the transition to Princeton academics by hosting advising events, leading academic orientation programming, and moderating an online advising course held over discussion boards
- Provide mentorship throughout the year by initiating academic advising study breaks, sending weekly emails to advisees with guidance, and offering individual check-in meetings

Crossword Constructor | *The Daily Princetonian - Puzzles Section* | February 2021-Present
- Construct puzzles through an iterative process of independent work and team discussions
- Advocate for new crossword themes at weekly pitch meetings

Podcast Website Team Member | *Hoagie Project, Princeton University* | February 2021-May 2021
- Collaborated on the design of website for student-run "If We Can Keep It" podcast
- Corresponded with podcast hosts weekly to propose and customize new prototypes using Figma

Other Activities: Google Student Developers Club, Princeton Data Science, Puzzles Club, College Democrats

SKILLS

Languages: ARMv8, C, HTML/CSS, Java, JavaScript, Python, R, SQL, Verilog
Tools/Other: Figma, Flask, Git, Heroku, Linux, MATLAB, Microsoft Office