Jaurice Barber

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Education

BA. Mathematics and Computer Science, *University of Pennsylvania*   08/2022 – 05/2026
Relevant Coursework: Philadelphia
Calculus III, Philosophy: The Social Contract, Intro to Experimental Psychology, Proving
Things: Algebra, Physics I, Programming Languages and Techniques

Professional Experience

Tutor, *ClassUp*   12/2022 – present
- Engaged Actively with students to build confidence in subject matter and help improve   Remote
  study methods
- Personalized lessons to meet individual needs of each student
- Participated in initial and ongoing training sessions to develop and improve
  techniques

Projects

4 Year Course Planner, *Technologies Used: Python, Pandas, Scrapy, HTML, CSS, JS*
- Developed a program using Python, Pandas, and Scrapy to scrape my University's major catalogue and extract
  relevant information
- Created a personal data frame to visualize major requirements and plan to meet all graduation requirements
- Designed and developed a website using HTML, CSS, and JS to visualize the course plan

2048 Game, *Technologies Used: Java*
- Developed a fully functional replica of the popular puzzle game 2048 using Object Oriented Programming in Java
- Implemented game logic to allow for seamless gameplay, including swipe-to-move functionality and real-time
  score tracking
- Utilized local storage to save player progress and high scores each session

Grade Calculator Website, *Technologies Used: HTML, CSS, JavaScript, VSCode*
- Developed a website that allows users to calculate their grades based on grade weight categories, percentage
  scores, and a target grade
- Included a 4 function calculator within the website to provide added functionality

Awards

The Gates Scholarship, *Hispanic Scholarship Fund*
The Gates Scholarship, funded by the Bill and Melinda Gates Foundation, is one of the most prestigious and selective
scholarship programs for outstanding high school seniors in the United States. Each year 300 outstanding student
leaders are recognized from a pool of 37,000+ applicants. I was selected as a Gates Scholar in April 2022.

Skills

Highly Proficient With (Java, Python, LaTeX, HTML/CSS) • **Proficient With** (JavaScript, VS Code, Github)

Familiar With (R, C, C++, Django, SQL,)