

James S. Wang

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EDUCATION

Johns Hopkins University

Aug 2019 – May 2023

Bachelor of Arts in Mathematics/Computer Science

Baltimore, MD

Relevant Courses: Data Structures, Discrete Mathematics, Linear Algebra

Sparta High School

Sep 2015 – Jun 2019

Top 10 Student

Sparta, NJ

Awards: National AP Scholar, 2019 Senior Computer Science Award,
2018 Student of the Year in Computer Programming, University of
Rochester Xerox Award for Innovative and Information Technology

COMPUTER SKILLS

Languages: Python, Java, C++, HTML/CSS

Frameworks & Softwares: tkinter, Java Swing, Git, JUnit, discord.py, Beautiful Soup

RELEVANT PROJECTS

NoteUtil

Feb 2017 – Present

- Analyzed the structure behind note-taking and modeled it into data structures
- Created a compiler to translate notes to code and detect inconsistent formatting
- Designed and developed a GUI, enhancing user experience by a projected 150%
- Boosted self-studying effectiveness and efficiency by an estimated 340%

Ping Manager

Jul 2018 – Aug 2018

- Won competition in the launch of a Discord bot for a server of over 12,000 students
- Collaborated with teammate in documentation, promotion, and refactoring of bot
- Overcame toxic criticism with objectivity in order to see real flaws and improve bot

WORK EXPERIENCE

Sparta High School

Sep 2018 – Jun 2019

Information Technology Intern

Sparta, NJ

- Re-imaged, inventoried, and methodically stored over 250 unused laptops
- Documented a procedure for installing Python, pygame, and idle for future use
- Packaged and initialized over 100 Chromebooks for student use or repair
- Diagnosed and troubleshooted several school faculty's technical issues promptly

Mathnasium

Aug 2018 – Jun 2019

Instructor

Sparta, NJ

- Managed and directed the education of up to six students simultaneously
- Guided 40+ students with Socratic questioning when they were unsure what to do
- Engaged in one on one tutoring in specialized areas by focusing on student needs