

# James S. Wang

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## EDUCATION

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### Johns Hopkins University

*Bachelor of Arts in Computer Science*

**Relevant Courses:** EN.601.220 EN.601.226, EN.601.231

**Aug 2019 – May 2023**

*Baltimore, MD*

### Sparta High School

*Top 10 Student*

**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

**Sep 2015 – Jun 2019**

*Sparta, NJ*

## COMPUTER SKILLS

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*Languages:* Python, Java, C#, C, C++

*Frameworks & Softwares:* Godot, Unity, Git, LaTeX, tkinter, discord.py

## PROJECTS

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### NoteUtil

**Feb 2017 – Present**

- Analyzed the structure behind my note-taking and modeled it into data structures
- Created a parser to translate notes to code and detect inconsistent formatting
- Designed and developed a GUI, enhancing usability by a projected 150%
- Boosted self-studying effectiveness and efficiency by an estimated 200%

### Ping Manager

**Jul 2018 – Aug 2018**

- Won competition in the creation of a Discord bot to help over 12,000 students
- Collaborated with teammate in documentation, promotion, and refactoring of bot
- Reflected on criticism with objectivity in order to see real flaws and improve bot

## WORK EXPERIENCE

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### Sparta High School

*Information Technology Intern*

**Sep 2018 – Jun 2019**

*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

*Instructor*

**Aug 2018 – Jun 2019**

*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