

# Hudson Tao

Rockville, MD 20853

240-743-0735

hudsontao@gmail.com

## Experience

- **LifeSct — Software Engineer (January 2024 - Now)**
  - Developing an AI augmented web scraper to support targeted marketing for LifeSct, a biotech supply company
- **Learn Prompting — Course Creator (January 2024)**
  - Conducted comprehensive research on generative AI tools and use cases
  - Distilled insights into a course on maximizing efficiency with gen. AI for Learn Prompting, an AI learning platform with over a million users
- **Prompt Systematic Review — Researcher (October 2023 - January 2024)**
  - Worked with researchers from UMD, OpenAI, Google,
  - Managing codebase, using GPT-4 for paper collection, researching multimodal prompt engineering
- **Blossom Lawn Care — Founder & CEO (Summer 2023)**
  - Within two months, grew the company from no revenue to generating ~\$600 of monthly profit
  - Managed sales, product development, customer service, fulfillment and logistics, learned general business management
- **Professional Percussionist — Jazz Drummer (June 2022 - Now)**
  - Notable performances: Capital One Hall, Mid-Atlantic Jazz Festival, Blues Alley DC
  - Perform shows regularly with professionals in the field, as well as with the VMT Jazz Trio
  - Member, Capital Focus Jazz Band
- **AAVnerGene — Intern, Lab Assistant (July 2022 - August 2022)**
  - Conducted lab procedures including MiniPrep, gel electrophoresis, qPCR, and enzyme digestion.
- **Schoolhouse.world — SAT Tutor (May 2022 - June 2022)**
  - Prepared and taught several hour-long lessons to a close-knit group of learners from across the country

## Skills

- Programming languages:
  - Python, Java, JavaScript, C
- Web scraping:
  - HTML, CSS + Python w/ Selenium & BeautifulSoup
- Embedded systems: Raspberry Pi
- Creative applications:
  - Davinci Resolve, Adobe Audition, Premiere Pro, Adobe Illustrator
- Entrepreneurial:
  - Brand, Marketing, Sales
- Engineering applications:
  - Autodesk Inventor, Multisim, TinkerCAD, OnShape
- Research:
  - Reading Papers & Academic Writing

## Achievements

- National Merit Scholarship Finalist
- 2nd place award, Montgomery County Science Fair, engineering category.
- Maryland 2023 All-State Jazz Band
- Future Star Award, from FAPAC FDA, NIH, and Parklawn Chapters

## Education

- **University of Maryland**, Computer Science Undergraduate (2023 - Now)
- **Relevant coursework:**
  - Object Oriented Programming I, II
  - Discrete Structures (current)
  - Intro to Computer Systems (current)
- **Wheaton High School**, magnet engineering program (2019 - 2023)
  - 4.0 GPA (Unweighted)
  - **Relevant coursework:**
    - Magnet Multivariable Calculus
    - Magnet Digital Electronics
- **SAT:** 1560 (RW: 770, M: 790)