

# Wolf Mermelstein

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## EDUCATION

- **Case Western Reserve University** Cleveland, OH  
*B.S. Computer Science; No GPA yet.* *Anticipated 2027*  
*Relevant courses: Data Structures, Logic design*
- **Recurse Center** Brooklyn, NY  
*Brooklyn-based intensive coding retreat* *2023 Summer*
- **Bard Early College** Queens, NY  
*Associates of Arts; GPA: 4.00* *Sep. 2019 - June 2023*

## AWARDS

- **High School Departmental Nanoscience and Ancient Latin awards** *May 2023*
- **Microsoft Bug Hunter Acknowledgment** *March 2022*
- **Hackett Certificate for “greatest proficiency in oratory, either verse or prose”** *May 2022*

## EXPERIENCE

- **Brooklyn Robot Foundry** Robotics afterschool & summer camp franchise.  
*Design Team Member; Teacher* *June 2021 - June 2023*
  - **System overhaul:** Crafted slide templates and inventory management systems for designers & teachers, simplifying and enhancing the ‘robo-kit’ creation process.
  - **Curriculum Design:** Developed novel ‘inventors’ curriculum fostering open-ended exploration, with 40+ unique lessons, taught to 10-12 year olds throughout the country & created content for astronomy ‘Science Lab’ course with thorough, interactive lessons for 6-9 year olds.
  - **Teaching:** Lead-taught virtual robot-building summer classes to groups of 5-12 8-13 year olds. Co-taught in person classes and robot birthdays.
- **Minecraft Name Autoclaiming** Online self-run business  
*Co-founder; Solo Software Engineer; Sales Manager* *June 2021 - July 2022*
  - **Systems Design:** Developed software to autoclaim desirable Minecraft usernames at the moment of release, beating competitors by milliseconds. Automated server deployment and account distribution for 50-80 accounts.
  - **Sales Management:** Facilitated sales process and auctions for over 100 buyers, generating \$6,000+ in revenue with around 200 unique accounts sold. Maintained consistently positive customer feedback and regular reorders.
  - **Software Engineer:** Implemented a live automatic name queue, contrived server setup Python scripts, coded AioHTTP Swagger-Spec’ed management server, and contrived interactive Discord bots. Utilized Vultr’s API for automated server deployment and AsyncSSH for auth & SFTP.
- **Crystalyn Kae Inc** Premium leather handbag company  
*General personal assistant* *May 2018 - December 2019*
  - **General assistance:** Aided with studio tasks, such as photoshopping photos of merchandise, heat stamping logos onto leather bags, applying labels to handbags, and cutting leather strips. Delivered products and supplies across NYC.
  - **Ideation and Assistance:** Helped ideate & design marketing graphics.

## PROJECTS

- **DNA Nanotube Designer Tool:** DNA Nanotech takes advantage of simple base pairing to achieve complex, useful nanostructures. Self-taught advanced Python and learned about bionanotechnology. Created interactive application for designing geometrically constrained DNA nanotubes. Engaged in weekly collaborative debugging & planning meetings with bionanotechnologist.
- **Hydroponic Closet Basil Farm:** Renovated closet and installed hydroponic equipment (upcycled storage containers, powerful grow lights, commercial air compressors, etc.); harvested and pruned 18 large hydroponic large-leaf basil plants weekly; maintained 100 gallons of aerated nutrient water; formulated recipes for and produced bulk pesto.
- **Fullstack Personal Website:** Designed website with TS/JSX, React, & tailwind. Implemented custom post editing system with Postgresql, Prisma ORM, and AWS S3. Wrote backup and migration scripts in TS.

## SKILLS

- **Languages:** Python, Typescript, Javascript, Java, HTML & CSS, Learning Verilog, Markdown & L<sup>A</sup>T<sub>E</sub>X
- **Frameworks:** React, Puppeteer, Tailwind, NextJS & NextAuth, Numpy & Pandas, Prisma, Django, PyQt & PyQtGraph, DiscordPy, Asyncio, Remark & Rehype
- **Tools:** Git Version Control, AWS S3, CockroachDB, Adobe Illustrator & Photoshop, GSuit & Microsoft Office
- **Miscellaneous:** Object-oriented, Web development, Backend, REST, 95+ WPM Typing, CPR Certified (2022)
- **Qualities:** Fast learner, Creative thinker, Good debugger, Efficient Communicator, Reliable and timely