

# Jason Matthew Ren

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<https://github.com/jasonren5>

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## EDUCATION

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- **Washington University in St. Louis** St. Louis, MO  
*Sophomore Computer Science Student; GPA: 3.22* *Aug. 2017 – May 2021 (expected)*
  - **Relevant Coursework:**
    - \* Logic and Discrete Math
    - \* Web Development
    - \* Data Structures and Algorithms
    - \* Introduction to Digital Logic and Computer Design
    - \* Rapid Prototyping and Development
- **Great Valley High School** Malvern, PA  
*SAT: 2360 (800CR/800M/760W)* *Aug. 2013 - June 2017*

## EXPERIENCE

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- **Washington University Institute for Public Health** St. Louis, MO  
*Data Analyst* *Aug 2018 - Present*
  - **Database work:** Standardize and clean clinical datasets pulled from electronic medical record systems through the use of REDCap API's and Python.
  - **Modeling:** Help design a strategy and plan to merge clinical and police data on violent injuries.
- **Lavner Camps and Programs** Narberth, PA  
*Technology Instructor and IT Technician* *May 2018 - Aug. 2018*
  - **Technology Instructor:** Taught kids aged 7 to 12 the basics of programming with Python and Java. Was responsible for leading classroom instruction, as well as camper safety.
  - **IT Technician:** In an office setting, installed various pieces of software on hundreds of computers to be distributed to multiple camp locations. Wrote scripts to automate the process.
- **PrimBio Research Institute LLC.** Exton, PA  
*Software Intern* *June 2016 - Aug. 2016*
  - **Python:** Added to and edited a script written in Python that converted data from .fastq filetype to .fasta and subsequently compressed said data using 7zip.
  - **Microsoft Excel:** Analyzed and formatted raw cell count data of various bacteria within samples into corresponding taxonomic ranks for customer presentation.
  - **Website Development:** Refined and simplified navigation of the website, and also updated company information and services.

## PERSONAL PROJECTS

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- **rpg-clicker-game:** An incremental RPG game written in HTML (using Bootstrap), and JavaScript and JQuery.
- **personal-website:** A personal website written in HTML (using Bootstrap) and CSS.
- **caesar-cipher:** A short Python program written to educate young teens on programming principles and basic encryption.
- **resume:** This resume, which is typeset in LaTeX!

## ADDITIONAL INFORMATION

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- **Member of Alpha Delta Phi:** Current PR Manager for Alpha Delta Phi's Washington University Chapter.
- **Member of Campus Y:** Volunteer at local St. Louis animal shelter.
- **National Merit Finalist:** 1500/1520 on October 2015 PSAT.
- **Interests and Hobbies:** Philadelphia Eagles, data science, web-application development, violin performance, underground music, mechanical keyboards, video game development, writing, photography.