

Jason Matthew Ren

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EDUCATION

- **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

- **Washington University Institute for Public Health** St. Louis, MO
Data Analyst *Aug 2018 - Present*
 - **Scripting:** Wrote scripts to clean, standardize, and merge violent injury visitation data from local St. Louis emergency rooms, and created a patient identification system utilizing hash codes
 - **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.
 - **Data Visualization:** 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

- **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

- **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.

SKILLS

- **Languages:** PHP, MySQL, Python 3, C#, Java, C, HTML, JavaScript, CSS, LaTeX
Technologies: Apache, Amazon EC2, Linux, Unity, Slack, Git, Google App Suite, Microsoft Office