

# Jason Matthew Ren

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## EDUCATION

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### Washington University in St. Louis

*Sophomore Computer Science Student; GPA: 3.22*

St. Louis, MO

*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

*SAT: 2360 (800CR/800M/760W)*

Malvern, PA

*Aug. 2013 - June 2017*

## EXPERIENCE

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### Washington University Institute for Public Health

*Data Analyst*

St. Louis, MO

*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.
- **Data Cleaning:** Wrote scripts to clean and beautify data on St. Louis County Police violent crime incidents.

### Lavner Camps and Programs

*Technology Instructor and IT Technician*

Narberth, PA

*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.

*Software Intern*

Exton, PA

*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

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**ren-soundex:** A Python 3 package that implements the Soundex algorithm as well as many other useful functions, such as measuring edit distances.

**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.

**resume:** This resume, which is typeset in LaTeX!

## ADDITIONAL INFORMATION

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**Member of Alpha Delta Phi:** 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

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**Languages:** Python 3, Java, PHP, MySQL, C#, C, HTML, JavaScript, CSS, LaTeX

**Technologies:** Apache, Amazon EC2, Linux, Unity, Slack, Git, Google App Suite, Microsoft Office