Jason Matthew Ren

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https://github.com/jasonren5

EDUCATION

Washington University in St. Louis   St. Louis, MO
Sophomore Computer Science Student; GPA: 3.22   *Aug. 2017 – May 2021 (expected)*

- **Notable Coursework**:
    * 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

Institute for Public Health at Washington University   St. Louis, MO
Data Analyst   *Aug 2018 - Present*

- **Scripting**: Cleaned, standardized, and merged large-scale violent crime related visitation data from local St. Louis hospitals and created a patient identification system utilizing hash and soundex codes using Python.
- **Data Cleaning**: Wrote scripts in Python to clean, re-format, and visualize incident data on St. Louis County Police violent crime.

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.
- **IT Technician**: Prepared computer and device inventory to be distributed to summer camp locations. Wrote scripts to optimize work flow and increase efficiency of team.

PrimBio Research Institute LLC.   Exton, PA
Software Intern   *June 2016 - Aug. 2016*

- **Python**: Wrote a script in Python that converted data from .fastq filetype to .fasta and subsequently compressed said data using 7zip with the goal of bettering workflow.
- **Data Visualization**: Analyzed and formatted raw cell count data of various bacteria within samples into corresponding taxonomic ranks in Microsoft Excel for customers.
- **Website Development**: Refined and simplified navigation of the website, and also brought the website up to date with current information and services.

PERSONAL PROJECTS

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

calendar: A basic cloud calendar service hosted on an Amazon EC2 server using Apache, created using PHP and JQuery, with a MySQL backend.

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rpg-clicker-game: An incremental RPG game written in HTML (using Bootstrap), and JavaScript with the JQuery library.

SKILLS

Languages: Python 3, Java, PHP, MySQL, C#, C, HTML, JavaScript (and JQuery), Node.JS, CSS, LaTeX
Technologies: Apache, Amazon AWS/EC2, Linux, Unity, Git, Microsoft Office

ADDITIONAL INFORMATION

Member of Alpha Delta Phi: PR Manager for Alpha Delta Phi's Eliot Chapter.

Member of Campus Y: Volunteer at Clowder House Foundation, a local St. Louis animal shelter.