Jason Matthew Ren

https://www.linkedin.com/in/jasonmren/
https://github.com/jasonren5

jasonren@wustl.edu
+1-610-203-2179

EDUCATION

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

- **Teaching Assistant for:**:
  - CSE132: Computer Science II (Spring 2019)
  - CSE330: Rapid Prototyping and Development (Spring 2019)

Great Valley High School — Malvern, PA
SAT: 2360 — *Aug. 2013 - June 2017*

EXPERIENCE

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

- **Scripting**: Using Python, cleaned, standardized, and merged trauma center visitation data from local St. Louis hospitals with Python's regular expression and CSV reading and writing packages, and created a patient identification system utilizing hash and soundex codes.
- **Data Cleaning**: Wrote scripts in Python using the BeautifulSoup library to clean, re-format, and visualize violent crime incident data from St. Louis County Police.

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

1001monkeys: Node.JS web app with a React.JS front-end in which users write a new book each day together by submitting short blurbs, and then voting on the next blurb to be added to the book.

ren-soundex: Python 3 package that implements the Soundex algorithm, which codes words into numbers in order to correct for spelling mistakes.

chat-server: Node.JS web app instant messaging service, utilizing Socket.IO for client-server interaction.

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

rpg-clicker-game: An incremental RPG game written in Javascript using 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.