# 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
*Bachelor of Science in Computer Science; GPA: 3.51*                          *Aug. 2017 – Present*

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

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

## EXPERIENCE

**Convergent Financial Technologies**                                         Hamilton Township, NJ
*Full Stack Software Engineer Intern*                                         *May 2019 - Aug. 2019*

- **.NET Core**: Wrote a controller utilized for privilege-less actions such as retrieving data for the login page for UVCloud, a cloud-based ASP.NET Core MVC pricing and trading program for the insurance industry.
- **Razor Pages**: Created and edited various Razor pages across the system, such as a live search feature for the privilege management page. Used Razor to access model data and JQuery for front end action.
- **Entity Framework Core**: Created data models and migration scripts for a Microsoft SQL Server database to replace expensive data access code.
- **Unit Testing**: Wrote NUnit unit tests for C++ DateTime, List, and other type extension methods.

**Institute for Public Health at Washington University**                      St. Louis, MO
*Data Analyst*                                                                *Aug. 2018 - May 2019*

- **Scripting**: Cleaned, standardized, and merged trauma center visitation data from local St. Louis hospitals using Python and RegEx, and created a patient identification system with hash and soundex codes.
- **Data Visualization**: Created maps of the Saint Louis region with both Tableau and R depicting social determinants of health for United Way of Greater Saint Louis in order to identify areas most in need of funding and aid.
- **Data Cleaning**: Wrote scripts in Python using the BeautifulSoup package 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 computers and devices with required softwares for summer camp locations. Wrote scripts to automate installation of software to optimize workflow of team.

## PERSONAL PROJECTS

**1001monkeys**: Cloud based Node.JS web application utilizing React.JS for 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**: Work in progress Python 3 package that implements the Soundex algorithm.

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

**calendar**: Basic cloud based calendar service created with the LAMP stack, hosted on an Amazon EC2 server.

**rpg-clicker-game**: An incremental RPG game created with the Bootstrap HTML framework and JQuery.

## SKILLS

**Languages**: Python 3, Java, C#, C++, PHP, HTML, JavaScript, CSS, LaTeX
**Other Technologies**: .NET Core, Entity Framework, SQL, JQuery, React.JS, Node.JS, Bootstrap

## ADDITIONAL INFORMATION

**Member of Alpha Delta Phi**: Internal Vice President of Alpha Delta Phi's Eliot Chapter.
**Member of WashU Engineers Without Borders**: Web developer and maintainer for Washington University's Engineers Without Borders chapter.