

# Jason Matthew Ren

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## EDUCATION

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### Washington University in St. Louis

*Bachelor of Science in Computer Science; GPA: 3.51*

St. Louis, MO

*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

*SAT: 2360*

Malvern, PA

*Aug. 2013 - June 2017*

## EXPERIENCE

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### Convergent Financial Technologies

*Full Stack Software Engineer Intern*

Hamilton Township, NJ

*May 2019 - Aug. 2019*

- **.NET Core:** Wrote a controller utilized for privilege-less actions such as retrieving data for the login page for UVCloud, an Amazon EC2 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, using Razor syntax to access model data and JQuery for front end action, such as a live search feature for the privilege management page.
- **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

*Data Analyst*

St. Louis, MO

*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

*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.
- **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

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**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

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**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

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**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.