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, Spring 2020)
  - CSE132: Computer Science II (Spring 2019)

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

EXPERIENCE

Microsoft — Fargo, ND
Software Engineer Intern — *May 2020 - Aug. 2020*

- :

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.

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 open source 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 (and LAMP), HTML, JavaScript, LaTeX
Other Technologies: AWS, .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.