

Richard Luu

Data Analyst & Web Developer

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EDUCATION

Virginia Polytechnic Institute & State University (Virginia Tech)

August 2016 - December 2020

B.S. in Computational Modeling and Data Analytics (CMDA), Minor: Mathematics

Blacksburg, VA

EXPERIENCE

Senior Capstone Project

September 2020 - December 2020

Anthem Inc / Virginia Tech, Blacksburg, VA

- Collaborated with a team from a client's business intelligence team on health analysis problems
 - Organized meeting schedules and task delegation for team of peers
 - Communicated with client in the form of weekly meetings discussing progress and technical report updates with visualizations of data in R
 - Lead data analysis section of research on health levels across Virginia counties with regression analysis
 - Developed and created Tableau dashboard with Bootstrap webpage displaying collected data
 - Compiled, cleaned, extracted, transformed, and loaded data from a variety of sources
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ACTIVITIES

Personal Projects

August 2016 – Present

- Developed portfolio page using HTML/Flexbox deployed and maintained through github
- Analyzing data on *The Simpsons* episodes to create time series and Tableau dashboard exploring seasonal variance

Relevant Coursework / Personal Projects

August 2016 – December 2020

- Researched Ising model stimulation and used high performance computing in C / Linux to visualize results, all monitored through git version control with scalability study and parallel processing
- Conducted quantitative analysis of anime data and user demographics from MyAnimeList to predict popularity based off of various metrics with team using R
- Reported on probit regression, classification and regression trees to explain and employ concept to peers
- Wrote logic and database knowledge for Java projects: towers of hanoi, and a GUI based music database

Clubs / Organizations

August 2016 - December 2019

- CMDA Club, attended tool workshops and presentations to better engage with classmates and peers
 - Undertook multiple data competition challenges, analyzed large-scale real-world data with a team, presented results and potential solutions to a panel of judges and sponsors
 - Volunteered for the Big Event at Virginia Tech and lead group of peers to help the local community
 - Member of Vietnamese Student Association and joined Big-Little program to better acclimate myself and others into new environment
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TECHNICAL/SKILLS

Languages/Tools: R, Python, HTML/CSS, JavaScript, SQL, Linux, C, Java, Tableau

Libraries/Frameworks: ggplot2, dplyr, NumPy, Pandas, Flask, Seaborn, React, REST APIs

Data Science: Machine Learning, Regression Analysis, Dashboarding, Math Modeling, Experimental Design