

**Richard Luu** (703) 719-1472 | [richardpluu@gmail.com](mailto:richardpluu@gmail.com) | [richpluu.github.io/portfolio/](http://richpluu.github.io/portfolio/)  
Christiansburg, VA, 24073

**EDUCATION**      **B.S., Computational Modeling and Data Analytics**, December 2020  
Virginia Polytechnic Institute & State University, Blacksburg, Virginia  
Minor: Mathematics | GPA: 3.14

**Related Courses**      Data Structures, and      Data Analytics, and      Computer Organization  
   Abstractions      Visualizations  
   Intro to Machine Learning      Regression Analysis      Math Modeling

**SKILLS**      Knowledge and skills gained through CMDA projects work includes:

Parallel Processing	Data Cleaning	Object Oriented Programming
ggplot2/dplyr	Classification	Statistics

Proficient:

R	HTML/CSS	C	Linux
Java	Tableau	Python	PHP/SQL

Familiar:

**SENIOR COURSE PROJECT**      **Team Leader for Capstone Class**, Anthem Inc., Blacksburg, VA, August 2020 – December 2020

- Worked with team from client's business intelligence team on health analysis problem.
- Organized meeting schedules and task delegation for team of peers.
- Communicated with client in form of weekly meetings discussing progress and technical report updates with visualizations of data (graphs and tables).
- Lead data analysis and interpretation section of research on health levels across Virginia with regression analysis.
- Developed and created Tableau dashboard with webpage displaying collected information.
- Compiled, extracted, transformed, and load data family from variety of sources then cleaned accordingly.

**ACTIVITIES**      **Independent Programming Projects**, September 2013 - Present

- Created image gallery with PHP / SQL, and database creation for accounts.
- Visualized and wrote logic for games in Python (turtle): tic-tac-toe, connect-4, hangman.
- Working with git and Bootstrap to personalize own webpage.

**Relevant Course Work**, Virginia Tech, Blacksburg, VA, August 2016 – December 2020

- Researched Ising model stimulation and used high performance computing in C / Linux to visualize results all monitored through Github version control with scalability study.
- Wrote logic and database knowledge for Java projects: Towers of Hanoi and Music Database.

**Clubs / Organizations**, Blacksburg, VA, August 2016 – December 2019

- Participated in CMDA Club and attended tool workshops and presentations.
- Undertook multiple data competition challenges, analyzed large scale real world data with team then presented results and potential solutions to panel of judges and sponsors.
- Volunteered for the Big Event at Virginia Tech and guided group to help local community.
- Member of Vietnamese Student Association and joined Big-Little program to better transition into new environment of college.
- Lived with peers in Living Learning Community and engaged it with students of diverse backgrounds in community events.

**AWARDS & ACTIVITIES**      Dean's List: Fall 2018, Fall 2019, Fall 2020