

SRIVINAY TUMMARAKOTA

6517 N. Greenwich Place, Peoria, IL, 61615 | 309-472-0722 | sst7@rice.edu

EDUCATION

Bachelor of Science in Computer Science, Rice University, Houston, TX May 2023
GPA: 3.95

Relevant Coursework: *Algorithmic Thinking, Probability and Statistics for Data Science, Computational Thinking, Fundamentals of Computer Engineering, Ordinary Differential Equations and Linear Algebra*

Illinois Mathematics and Science Academy, Aurora, IL June 2019
GPA: 3.98

Relevant Coursework: *Computer Science Inquiry, Object-Oriented Programming, Abstract Algebra*

SKILLS

- Languages: Python, C++, Java, HTML5, CSS3, JavaScript, SQL
- Software & Frameworks: Power BI, LaTeX, jQuery, Node.js

WORK AND PROJECT EXPERIENCE

Rice University Climate, Water, and Energy Lab, Houston, TX May 2020 – July 2020
Research Intern

- Collaborated in a team of researchers to develop a Python Graphical User Interface (GUI) for climate modeling scripts written in Fortran, Python, and R
- Enabled the GUI to visualize climate model data using Python data analytics libraries

The Complete 2020 Web Development Bootcamp, London App Brewery February 2020 – July 2020
Student Programmer

- Applied knowledge of HTML, CSS, and JavaScript to create front-end projects including a personal website and online replica of the Simon Game
- Utilized back-end tools such as Node.js and EJS templates to create a blogging website

Fermi National Accelerator Laboratory, Batavia, IL August 2017 – May 2019
Research Intern

- Developed a Bayesian statistical analysis tool in C++ to analyze particle collision data

Caterpillar Inc, Peoria, IL June 2018 – August 2018
Data Analytics Intern, Service Information System Team, CAT Digital

- Developed dashboards to analyze user traffic through Caterpillar's Service Information System Website (SISWEB) using Microsoft Power BI
- Provided Caterpillar teams with data-driven insights to increase the effectiveness of the SISWEB user-interface

EXTRACURRICULAR AND LEADERSHP EXPERIENCE

Rice University COVID-19 Virtual Design Challenge, Houston, TX April 2020
First-Place Team

- Developed a prototype of a website that connects homeless shelters with donors to alleviate food insecurity among vulnerable populations during the COVID-19 pandemic

Rice Data Science Club, Houston, TX August 2019 – January 2020
Data Education and Exploration Project Team

- Conducted a semester-long data analysis of Houston crime data using Python data analytics libraries

Rice Datathon

- Developed an artificial neural network and logistic regression model to predict divorce rates based on comprehensive marriage survey data using Python data analytics libraries

Illinois Mathematics and Science Academy Student Council, Aurora, IL October 2016 – May 2019
Sophomore Representative (2016-2017), Junior Representative (2017-2018), President (2018-2019)

- Represented the IMSA Student Body and worked with school administrators to develop and advocate for initiatives such as a Sibling Program, Course Evaluation Guide, Quality of Life Survey, and Mental Health Initiative Week.

AWARDS/CERTIFICATES

- Rice University COVID-19 Virtual Design Challenge First Place April 2020
- National Merit Finalist May 2019