

# Kylan R. Thomson

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## Education

**Virginia Commonwealth University**, Richmond, VA:  
Bachelor of Science in Computer Science

**GPA - 3.1**  
Graduation - Spring, 2021

### **Relevant Coursework -**

- Artificial Intelligence (implemented supervised and unsupervised algorithms)
- Object-Oriented Programming (Java)
- Advanced Algorithm Analysis of Data Structures (used Java in tandem with advanced algorithms)
- Database Theory (used MySQL to build Google Cloud database - for HR data queries)
- Data Science (used RapidMiner, Watson Studio, Python)
- Fundamentals of Software Engineering (developed Java education app using AGILE methodologies)
- Linear Algebra
- Application of Statistics
- Discrete Structures
- Computer Systems (Created basic shell using C)

## Technical Skills

**Coding:** Java(fluent), MySQL(proficient), Python(proficient), C(proficient), Angular, Node.js  
**Other:** IntelliJ, PyCharm, Jupyter, WebStorm, Amazon Web Services, Google Cloud, Google Suite, Linux, Android Studio, Visual Studio Code, Vim

## Personal Projects/Accomplishments

### **Stock Market Dashboard (Java)**

January 2021-Current

- Allows the user to build and compare portfolios composed of stocks that score highly and meet user-defined criteria

### **Content Spinner (Python)**

January, 2020-Current

- Implements Natural Language Processing Toolkit (NLTK) in Python to create non-copyrighted content by analyzing and rewriting pre-existing content

### **SEO Database (MySQL)**

June 2020

- Built database on Google Cloud using MySQL for running queries that provide valuable SEO metrics for sublimesucculents.com

### **RamHacks 2020**

September 2020

- Placed 2nd overall with a virtual agent that used AI to answer queries related to COVID-19

## Leadership Experience

**Tommy Bahama:** Williamsburg, VA & Richmond, VA

Supervisor (Full-Time)

June 2015 - January 2021

- On-boarded, and trained employees according to corporate mandates providing unique managerial experience
- Managed and motivated staff to exceed personal sales goals
- Conducted performance reviews and organized/ran staff development in an efficient and professional manner leading to an increase in-store sales by 4.6% from 2019 to 2020

## Student Organizations

- Elected President of CS-Certs - A student organization I founded that is dedicated to helping students locate, prepare for, and successfully navigate career-relevant Computer Science Certifications by seeking academic funding for study materials and certification exams.
- Member of RamDev - A software engineering club, math club, and Linux User Group