

# Stephen Viray

U.S. Citizen | Atlanta, GA | (845) 527-2763 | [sviray814@gmail.com](mailto:sviray814@gmail.com) | LinkedIn: stephen-viray | [www.stephenviray.com](http://www.stephenviray.com)

## EDUCATION

**Georgia Institute of Technology (GT)** | Atlanta, GA

Expected Graduation: Dec 2026

*Bachelor of Science in Computer Science; Threads in Systems & Architecture and Intelligence; GPA: 4.00/4.00*

**Don Bosco Prep High School (DBP)** | Ramsey, NJ

*Valedictorian; 4.00/4.00 GPA; 1560 SAT*

## SKILLS

### Technical:

*Proficient:* HTML, CSS, JavaScript, React.js/NEXT, Tailwind CSS, Java, Python, Pandas, Linux, Git/Github, Microsoft Excel

*Learning:* Bootstrap, Wordpress, Django, SQL

**Conceptual:** Web development, SEO, Front-end Development, Data Analysis, Machine Learning, Graphic Design

**Relevant Courses:** Data Structures and Algorithms, Object-Oriented Programming, Linear Algebra, Multivariable Calculus, Human Dimension of Cybersecurity, Computer Organization & Programming, Discrete Math, Calculus 1 & 2

## WORK EXPERIENCE

**Investment Strategy Team Lead**, *Georgia Institute of Technology* | Atlanta, GA

Aug 2024 - Present

- Spearheading a team in utilizing probabilistic models and strategic algorithms to improve decision-making, portfolio optimization, risk management and investment strategies
- Collaborating with 30+ peers to develop and refine predictive models, assess variance, and maximize long-term profitability, contributing to a collective profit exceeding \$10,000

**Head of Software Development**, *Viral Marketer LLC* | Ramsey, NJ

Apr 2023 - Dec 2023

- Created and led a team developing web automation tools for digital marketing optimization at a startup company, increasing QoQ revenue by over 30%
- Designed and developed responsive, SEO-optimized web pages tailored to client needs, enhancing user experience and engagement while integrating custom features, automation tools, and analytics tracking

## LEADERSHIP

**Data Scientist** | *Data Science at Georgia Tech*

Sep 2024 - Present

- Implementing libraries including NumPy, Scikit-learn, TensorFlow, and Matplotlib to develop Data Science scripts
- Utilizing machine learning for purposes such as predicting scientific phenomena and financial decision-making

**Head Embedded Devices Programmer** | *FRC Robotics Team 4653*

Sep 2020 - Jun 2024

- Led a programming subteam for a competitive FIRST Robotics Competition (FRC) team, responsible for developing and optimizing autonomous and teleoperated robot control systems using Java, WPILib and PhotonVision
- Implemented vision processing, path planning, and machine-learning models for object detection, ensuring robust and efficient code for high-stakes competitions

## PROJECTS

**Personal Portfolio** | <https://www.stephenviray.com/>

March 2025

- Designed and developed a personal portfolio website using React.js and Tailwind CSS, showcasing a collection of coding projects with a responsive, modern, and user-friendly interface.
- Implemented dynamic content rendering and optimized UI/UX design to highlight technical skills and project achievements, creating an engaging platform for professional presentation.

**Market Influence & Stock Prediction Analysis**, *Creator* | *See Kaggle for Code*

December 2024

- Analyzed the impact of r/wallstreetbets sentiment on stock market fluctuations using natural language processing (NLP) and sentiment analysis
- Developed and trained mathematical models using Naive Bayes, Neural Networks, and LSTM Models to predict future movements of the S&P 500 Index based on historical price data

**DistrictInsights**, *Creator* | <https://congressional-app-challenge.vercel.app/>

September 2023

- Created web platform providing real-time congressional data, utilized by 100+ users to find economic, social and political data for their Congressional District; Data cleaned and analyzed in Pandas, with a UI made in Javascript;
- Winner of the 2023 Congressional App Challenge