

# Colin Vu

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## Education

### Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Computer Science – Concentrations in Media and Modeling/Simulation

Aug. 2022 – Dec. 2025

Minor in Industrial Design

Undergraduate GPA: Dean's List, Faculty Honors (4.0/4)

**Coursework:** Algorithms, Data Structures, Object-Oriented Programming, Computer Architecture, Visual Design Thinking, Computer Graphics, Fundamentals of GIS

### University of California - Berkeley

Berkeley, CA

Professional Certificate Program

June 2020 – Aug. 2020

## Technical Skills and Awards

**Languages:** Java, Python, C++, C#, C, JavaScript, HTML, CSS, Assembly, Android XML, PHP, Bash, MATLAB, SQL

**Tools:** Git, AWS, Agile, Figma, Splunk, Android Studio, VS Code, ArcGIS, Unity, Excel

**Libraries / Frameworks:** Pandas, NumPy, Junit, React.js, GloVe

**Hobbies:** Clarinet/Marching Band, Photography, Filmmaking, Geography

**Bronze Palm Eagle Scout**

Nov. 2021

**Seal of Biliteracy – Spanish**

June 2022

**Tau Beta Sigma – Theta Epsilon Chapter (co-educational service sorority)**

Aug. 2023 – Present

## Experience

### Geo AI Researcher

Aug. 2023 – Present

Georgia Tech Research Institute – Climate Innovations

Atlanta, GA

- Data specialist in a three-person team utilizing geospatial intelligence tools such as Prithvi (NASA/IBM joint machine learning model) to chart data such as cropland conditions in partnered Ukrainian towns to inform policy
- Research project (VIP) funded by the National Science Foundation to identify climate-based challenges in worldwide infrastructure and map post-war ecological rebuilding efforts in Ukraine
- **Received an official Request of Information (ROI)** from the Federal Register for the use of our team's research in US policy development

### Team Leader

May 2023 – Aug. 2023

Galileo Learning

Los Altos, CA

- Organized and taught engineering classes for children ages 8 to 13
- Coordinated with a team of 30 members to create a collaborative environment for students, **Received employee award** for adaptability and strong relationships with peers

## Projects

### ML False News Detection Model | Python, NumPy, Pandas

June 2023 – July 2023

- Developed various machine learning logistic regression models detecting the likeliness of false news in media based on keywords, tags, and domain name extensions
- Contrasted Pandas and NumPy based models to maximize accuracy rates
- Final model had a **97% confidence interval** at identifying the likeliness that an article contained false information

### Crossing Frog – Mobile Application | Java, Android XML, Android Studio

Jan. 2023 – May 2023

- Led the development of a mobile video game, programming the entirety of the physics engine and the game layout
- Utilized Agile project management to maximize team efficiency using clear roles and goals for each iteration
- Implemented MVC architecture in development of software

### Personal Portfolio Website | React, HTML, CSS

Dec. 2023 – Feb 2024

- Created a personal portfolio using React with HTML and CSS, available above