ANDREW VELLA

(917) 783-4759 | andyjvella@gmail.com | Website and Github

PROFESSIONAL SUMMARY

Andrew Vella is a Graduate of Skidmore College with a Bachelor's in Computer Science and a minor in Religious Studies. He has taught computer programming, algebra, and theater to children from ages five to fifteen. Additionally, Andrew has spoken for classes at Brooklyn College, and Columbia University Irving Medical Center.

SKILLS

- *Languages:* Python, Java, HTML, GdScript, C, C#, Shell, YAML, Scratch
- *Tools/Technologies:* Git/GitHub, Godot, VS Code, Linux, Excel, MATLAB, Readthedocs
- *Libraries/Frameworks:* NumPy, Pandas, Matplotlib, Tkinter, Tqdm,
- *Other:* Adept with search tools, reading docs, tracing and optimizing code
- *Creative:* Singing and piano; theater and performance, wildlife photography

PROJECTS

Website and Github | *HTML / Python*   **2022 – Present**
- You can find my latest resume, computing studies, artwork, and photography, on my website. Projects include my password manager, implemented programming languages, and webpage generator. Languages used include Python, Java, HTML, and Tkinter

WORK EXPERIENCE

Goddard Riverside Star Learning Center | *Tutor in Algebra and Reading | New York, NY*   **July 2025 - Present**
- Directed reading and math comprehension for middle school students, improving speed, accuracy, and comprehension
- Employed Socratic Teaching Methods to guide student intuition to improve confidence and understanding, with a focus on teaching the students to practice these skills independently.
- Students read two novels, completed comprehension questions and a math packet. Students learned to calculate percentages, find geometric areas, and perform calculations independently.

Columbia University Irving Medical Center | *Guest Speaker for Ask the Experts Day | New York, NY*   **April 2025**
- Spoke about my lived experiences and conducted Q&A with students in training to be Physical Therapists
- Participated in evaluations conducted by students.

AmeriCorps Fellow for Saga Education at HSFI | *Algebra 1 Tutor | New York, NY*   **June – November 2023**
- Served as an AmeriCorps Fellow, tutoring first-year algebra students, at the High School of Fashion Industries
- Planned lessons, graded proficiency, called parents, and managed groups of five.
- Planned Critical Thinking Tasks, Do Nows, and Group Activities
- Students were able to improve in competency with the material, achieving higher grades and participation

Brooklyn College | *Guest Speaker | Brooklyn, NY*   **Spring 2022**
- Two-time guest speaker for Dr. Magdalena Oledzka's class, "Motor Development and Learning" at Brooklyn College.
- Spoke about my lived experiences and conducted Q&A

Marymount School of New York | *Teacher's Assistant | New York, NY*   **June – July 2021**
- Assisted Advanced Drama III, a course geared toward preparing students for the stage
- Supervised students ages 12 to 16 years; led theater activities and improv games
- Designed the playbill for the school production, Into the Woods

The Coding Space | *Teacher | New York, NY*   **Nov 2020 – Apr 2021**
- Taught over 15 children ages 6 to 14 years (in smaller groups of 3 to 5 students)
- Authored two "un-tutorials" designed for students to practice functions, variables, loops, and control flow
- Guided students in Scratch, Python, and WoofJS (a language for transitioning from Scratch to JavaScript)
- With this guidance students were able to complete short video games, with creative additions as preferred.

Stand Up and Learn | *Volunteer | Nantucket, MA*   **Mar 2019**
- Worked at a stand-up comedy workshop for children ages 8 to 15 years, teaching public speaking on stage. Students were able to perform their own short, comedic routines.
- Assisted head instructor with supervising students and developing comedic routines in tandem with professional comedians

EDUCATION

Skidmore College | *Bachelor of Arts in Computer Science | Saratoga Springs, NY*   **Aug 2017 – Mar 2022**
- **Relevant Coursework**: Operating Systems, Computer Networks, Computability, Linear Algebra, Computer Organization, Programming Languages, Computer Science I & II,

Hunter College | *New York, NY*   **Summer 2016**
- Intro to Python and Data Science.