ANDREW VELLA

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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 5 to 15. 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

WEBSITE AND PROJECTS

Website on Github | *HTML / Python*   **2023 – Present**
- You can find my latest resume, computing studies, artwork, and photography, on my website.

Keybird Password Manager | *HTML / Python / Tkinter*   **2022 – 2023**
- An application for generating and managing passwords offline, for personal use.

Turing Complete Programming Languages | *HTML / Python / Java*   **2021 – 2022**
- Wrote and implemented original languages, proving turing completeness as applicable.

WORK EXPERIENCE

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 5
- Planned Critical Thinking Tasks, Do Nows, and Group Activities

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, Intro to Python, and Data Science.