

ANDREW VELLA

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EDUCATION

Skidmore College | *Saratoga Springs, NY*

Graduated Mar 2022

Bachelor of Arts in Computer Science

Relevant Coursework: Operating Systems, Computer Networks, Computability, Linear Algebra, Computer Organization, Programming Languages, Computer Science I & II, Intro to Python, and Data Science

WORK EXPERIENCE

Columbia University Irving Medical Center | *Guest Speaker for Ask the Experts Day* | *New York, NY*

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 | *Algebra 1 Tutor* | *New York, NY*

2023

- Served as an AmeriCorps Fellow tutoring first-year high school students in Algebra 1
- 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*

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)

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
- Assisted head instructor with supervising students and developing comedic routines in tandem with professional comedians

WEBSITE AND PROJECTS

Website and Github | *HTML / Python*

2023 - Present

- You can find my links, contact information, Github, and wildlife photography on my [Website and Github](#)

Keybird Password Manager | *HTML / Python / Tk*

2023

- An application that generates passwords with keys, with file editing and management system

Various Turing Complete Programming Languages | *HTML / Python / Java*

2021-2022

- Wrote assembly languages and interpreters to implement them
- Proved Turing Completeness as applicable

SKILLS

- *Languages:* Python, Java, HTML, Godot, C, C#, Shell, Scratch
- *Tools/Technologies:* Git/GitHub, VS Code, Linux, Excel, MATLAB, Readthedocs
- *Libraries/Frameworks:* React, NumPy, Pandas, Matplotlib
- *Other:* Adept with search tools, reading docs, and tracing code, Algorithmic Analysis, time complexity, and space complexity optimizations
- *Creative:* Singing and piano; theater and performance