

# Joshua Ochalek

jo447@cornell.edu | +1 (516) 710-5180 | Jericho, NY 11753

## EDUCATION

---

### Cornell University, College of Arts & Sciences

Bachelor of Arts, expected graduation date of May 2027  
Majors: Computer Science and Italian, with a Music minor

August 2023 - present

Ithaca, NY

### Jericho High School

Class of 2023, 4.0/4.238 GPA  
Valedictorian; Focus in Computer Science, Music, and Italian

August 2019 - June 2023

Jericho, NY

## AWARDS

---

### M3 MathWorks Math Modeling Challenge - Honorable Mention

March 2022

- Volunteered and collaborated with a team of 5 students to analyze the impacts of remote work on various industries and sectors, and received an Honorable Mention in recognition of our work.
- Focused on addressing the pandemic's shift to increased remote work and predicting impact around the world.
- Coded Markov models to represent the situation and accurately predict the future of remote work.

## RELEVANT EXPERIENCE

---

### Teach-Technology Inc. [501(c)(3)]

June 2021 - present

Lead Instructor and Advanced Python Curriculum Developer

Remote

- Partnered with the Atlanta public library system to provide instruction to underrepresented students and close the digital divide.
- Designed curriculum for Advanced Python course, brainstormed lesson plans, and taught 350+ students globally. Abstracted advanced topics and skills into descriptions of basic understanding.

### theCoderSchool Syosset

May 2021 - present

Code Coach and Lead Camp Instructor

Syosset, NY

- Taught computer science to 300+ students aged 6-20, spanning languages from Scratch to Java and C++.
- Created lesson plans and compiled an extensive collection of projects to teach in weekly sessions, including games, websites, and algorithms.
- Achieved a 100% rate of conversion from trial to full-time clients.

### Civic Association of West Birchwood

May 2021 - present

Website Developer and Email Manager

Jericho, NY

- Deployed local neighborhood's website with a full-stack environment and sent out monthly newsletters.

### JHS Coding Club

August 2019 - June 2023

President - Jericho High School

Jericho, NY

- Educated new coders on Python basics and competitive programming problems to compete internationally.
- Coordinated hackathons, mentoring, outreach to other students, and coding competitions across Long Island.
- Placed 1st and 4th at the St. Joseph's Coding Competition with groups of four members from the club.

## SKILLS AND EXTRACURRICULARS

---

Coding Languages: Python, Java, C++, JavaScript, HTML/CSS, Flask, Swift

Spoken Languages: English, Italian

Current Extracurriculars: Army ROTC Cadet, Varsity Sprint Football, Cello