Joshua Ochalek

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EDUCATION

Cornell University, College of Arts & Sciences   **August 2023 - present**

Bachelor of Arts, expected graduation date of May 2027, 4.106 GPA   Ithaca, NY

Majors: Computer Science and Italian, with a Music minor

Relevant Coursework: Object Oriented Programming, iOS App Development, Linear Algebra

Jericho High School   **August 2019 - June 2023**

Class of 2023, 4.0/4.238 GPA   Jericho, NY

Valedictorian; Focus in Computer Science, Music, and Italian

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.

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.

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SKILLS AND EXTRACURRICULARS

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

Spoken Languages: English, Italian

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