

Joshua Ochalek

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EDUCATION

Cornell University, College of Arts & Sciences

Bachelor of Arts in Computer Science and Italian

GPA: 3.98

Relevant Coursework: Object Oriented Programming, iOS App Development, Data Structures and Functional Programming, Discrete Structures, Analysis of Algorithms, Intro to Machine Learning, Linear Algebra, Statistics for Engineers

August 2023 - May 2026

Ithaca, NY

National Taiwan Normal University, Mandarin Training Center (Project GO)

Certificate of Completion - Score: 98%

June 2024 - July 2024

Taipei, Taiwan

Jericho High School

Class of 2023 Valedictorian, 4.0/4.238 GPA

August 2019 - June 2023

Jericho, NY

SELECTED PROJECTS

Portfolio (pjo.guru)

- Used TypeScript, NextJS, and HTML to create a portfolio website that showcases my skills, achievements, and experience.

Word Games (github.com/pjochillin/wordgames)

- Recreated a famous gaming app on iMessage in Swift, utilized various libraries to implement messaging capabilities.

OCaml Stock Analyzer Tool (github.com/pjochillin/cs3110-final)

- Collaborated in OCaml to provide various graphs and technical indicators for stocks, including RSI, OBV, and MACD.

PROFESSIONAL EXPERIENCE

Cornell University Housing and Residential Life

Residential Advisor

May 2024 - Present

Ithaca, NY

- Oversaw the welfare of 35+ first-year students, creating a welcoming and inclusive living and learning environment.
- Hosted 10+ programs to promote various Residential Life themes like community engagement and navigating transitions.

Cornell University Army ROTC

Cadet, MSII

August 2023 - Present

Ithaca, NY

- Manage 5+ cadets as a Team Leader, acting in a role of leadership and assisting platoon leaders in conducting objectives.
- Received the highest ACFT (fitness) score in the Excelsior Battalion and have received various awards for ROTC merit.

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

Lead Instructor and Advanced Python Curriculum Developer

June 2021 - August 2023

Remote

- Partnered with the Atlanta public library system to instruct 100+ underrepresented students and close the digital divide.
- Instructed 350+ students globally and brainstormed 35+ lesson plans to design curriculum for Advanced Python course.

theCoderSchool Syosset

Code Coach and Lead Camp Instructor

May 2021 - August 2023

Syosset, NY

- Taught computer science to 300+ students aged 6-20 and created 300+ lesson plans, including websites and algorithms.
- Achieved a 100% rate of conversion with converting clients on a trial basis to become full-time clients of the school.

JHS Coding Club

President - Jericho High School

August 2019 - June 2023

Jericho, NY

- Educated newer coders on Python basics and explained competitive programming problems to compete internationally.
- Placed 1st and 4th at the St. Joseph's Coding Competition in 2023 with groups of four members from the club.

SKILLS AND EXTRACURRICULARS

Skills: Python, Java, NodeJS, HTML/CSS, Flask, Swift, TypeScript, NextJS, ReactJS, OCaml, MongoDB, Italian, Chinese

Current Extracurriculars: Varsity Men's Track and Field, Cello, Cornell Chamber Orchestra, Kappa Sigma Fraternity