

# Noah Cylich

912 N Surrey Dr, Ambler, PA, 19002 | (215)350-0570 | noahcylich@gmail.com | github.com/ncylich | linkedin.com/in/noahcylich

## EDUCATION

### University of California - Los Angeles

Bachelor of Science in Computer Science

Los Angeles, CA

Expected June 2027

- **Academics:** High School GPA: 5.63, 3.91; SAT: 1530
- Began AI consulting work and project managed self-driving car initiative at Bruin AI
- Started researching protein folding and channel modeling with RNNs and CNNs through AlphaFold at UC Davis

## TECH EXPERIENCE

### Lockheed Martin Internship

King of Prussia, PA

July 2023 – September 2023

- Developed python applications to support LM Space cybersecurity efforts
- Selected Project Experience:
  - NocoDB Security Control Analyzer
    - Created a python application that analyzes NIST 800-53 security implementation with regex and NLP
    - Application uses REST APIs to interface with NocoDB to create a accessible tool on their internal intranet
    - Led to better management planning and enhanced security engineering efficiency
  - Automating CMDDB Updates
    - Built scripts to automatically filter and designate devices lacking complete classifications
    - Employed REST APIs to authenticate and update the CMDDB
    - Resulted in improved categorizations, traceability, and therefore security

### Software Development Projects

January 2023 - Present

- Implemented Transformer based Natural Language Processing to create a Chess Engine of elo 2000
- Built a stroke prediction machine learning model, integrating 3D graphs to visualize complex factors' relationships.
- Designed an intelligent, LLM-enabled note-taking system for audio files with automatic Google Drive integration
- Developed a secure password manager in Python with MySQL database integration and SHA256 encryption.

### Competitions

February 2023 - Present

- Tied for first at Lockheed Martin's Cyber Quest Competition
- Won 3rd place at Lockheed Martin's larger Code Quest competition as well
- Promoted to the Gold level in the US Coding Olympiad.

## LEADERSHIP & PROJECT EXPERIENCE

### Rutgers Medical School

Newark, NJ

High School Internship

July 2022 - August 2022

- Researched the effects of Interferon- $\lambda$  under the tutelage of Dr. Sergey Smirnov
- Studied Interferon- $\lambda$ 's specific impact on murine epithelial intestinal cell growth in infected cultures to elucidate the causes of Crohn's Disease and Irritable Bowel Syndrome
- Presented findings at a collegiate poster session to other researchers and students

### Varsity Tennis

Ambler, PA

Captain

March 2019 - May 2023

- Motivated and taught other players of the team
- Fundraised and managed schedule for practices and team-building events
- Played Varsity 3rd singles in 10th grade, 2nd singles in 11th grade, and 1st singles this year

## SKILLS, ACTIVITIES & INTERESTS

**Technical Skills:** C++, Python, Java, Lua, HTML, CSS, Docker, VMs, & SaaS

**Activities:** Biocomputation Research at UC Davis, Bruin AI, Club Tennis, Ski and Snowboarding Club

**AP Tests:** Calc I (5), Calc II (5), Stat (5), Physics 1 (5), Physics 2 (5), Biology (5), & English Lang and Comp (4)

**Hobbies:** I've played Piano since I was 5, performing in Carnegie Hall; Vienna, Austria; Padova, Italy. I even ran my own volunteer concerts at my grandma's retirement home. I'm also passionate about my engineering projects like 3D printing, model-rocketry, and high-voltage ultraviolet lasers.