

Dylan Tom

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(347) 752-7539
New York City

Education

Cornell University, Ithaca, NY, Expected Graduation 2025

Candidate for B.A. in Computer Science | College of Arts and Sciences

Academic Interests: Computational Genomics, Software Engineering

Relevant Coursework: Linear Algebra, Object Oriented Programming and Data Structures, Discrete Mathematics, Introduction to Data Science w/ Machine Learning

The Bronx High School of Science, Bronx, NY, Graduated 2021

Advanced Regents Diploma w/ Honors

Relevant Coursework: Multivariable Calculus, AP Calculus BC, AP Physics C, AP Macroeconomics, AP Microeconomics, Math & Computer Science Research

Experience

Cosgrove Lab, Cornell University

January 2022 – Present

Undergraduate Researcher, under guidance of Dr. Ben Cosgrove and David McKellar

- TBD

Lek Lab, Yale University

February 2019 – June 2021

High School Internship, under guidance of Dr. Monkol Lek

- Interpretation of loss of function of genes from nonsense mutations and analysis of protein domains to assess current pathogenicity assessments; Independent project submitted to Regeneron competition gaining experience using bioinformatic concepts and tools
- Developed an artificial intelligence agent using a greedy heuristic algorithm in C# for Hearthstone, a card game created by Blizzard

Technical Skills

Programming and Markup Languages: Python, Java, JavaScript, R, C#, HTML, CSS, LaTeX

Libraries: React, NumPy, Matplotlib, Pandas

Tools and Software: Jupyter Notebook, Ensembl, ClinVar

Additional Experience & Certifications

Nelson & Tom Maintenance Inc., New York City

June 2021 – August 2021

Electrician Helper

- Performed electrical installations of wiring and lighting for 5 residential and commercial projects
- Operated power tools, hand tools, and specialized electrical equipment
- Prepared and organized inventory to streamline workflow productivity by 33%

Licenses: OSHA 30 Hour Construction Certification, 2 Hour Drug and Alcohol Awareness SST-B302, 8 Hour Fall Prevention SST-B307, Red Cross Adult and Pediatric First Aid/CPR/AED Certification