

# Dylan Tom

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## Education

### **Cornell University** – *Candidate for B.A. in Computer Science*

- September 2021 – May 2025 (Anticipated) | College of Arts & Sciences
- Relevant Coursework: Cell & Developmental Biology, Introduction to Computer Science, Introduction to Data Science – Machine Learning

### **The Bronx High School of Science** – *Advanced Regents Diploma w/ Honors*

- September 2017 – June 2021

## Work Experience

### **Nelson and Tom Maintenance, Inc.** – *Electrician Helper*

Summer 2021

- (1) Performed electrical-related installations of wiring and light fixtures for residential projects working with other contractors
- (2) Operated power tools, hand tools, and specialized electrical equipment
- (3) Prepared inventory for future projects and organized equipment to streamline workflow productivity

### **Lek Lab at Yale University** – *Remote Research Internship*

Feb 2019 – June 2021

- (1) Interpretation of Loss of Function Genes at the N-terminus of Proteins; Focus on nonsense mutations and analysis of protein domains to determine pathogenicity of LoF genes; Independent project developing an understanding of modern bioinformatics concepts and tools under the guidance of Professor Monkol Lek
- (2) Hearthstone AI; Developed an artificial intelligence agent using a greedy heuristic algorithm in C# without any formal training

## Additional Information

### Licenses and Certifications

- OSHA 30 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 – Expires July 2, 2023

### Technical

- Proficient in Python and relevant packages (SciKit, NumPy, SciPy, Matplotlib, TensorFlow, Pandas)
- Strong knowledge of Microsoft Office, Google Suite, and LaTeX
- Learning various bioinformatics tools; Familiar with FASTA, FASTQ, Ensembl, ClinVar
- Developing knowledge in R, C#, Java, and JavaScript
- Joined Cornell Undergraduate Research Board (Fall 2021)