

## **EMPLOYMENT HISTORY**

### **Co-Founder**

November 2024 - May 2025

### **Viper Biosciences**

Newton, MA

- Co-founded a biotech startup focused on developing LLMs to predict oncolytic potential from viral DNA sequences
- Designed, trained, and validated transformer-based models to identify mutations linked to increased oncolytic activity

### **Production Technician**

July 2024 - November 2024

### **Circle Labs Bio**

Cambridge, MA

- Executed high-throughput DNA sequencing workflows for internal and external clients using Oxford Nanopore platform

### **Operations Engineer, NGS**

March 2022 - July 2024

### **Ginkgo Bioworks**

Boston, MA

- Executed high-throughput NGS library preparation and sequencing using Illumina NovaSeq across a wide range of sample types
- Conducted SARS-CoV-2 variant surveillance by sequencing aircraft wastewater to support early detection efforts

### **Pharmacy Technician**

May 2019 - April 2022

### **Walgreens**

Middleboro, MA

- Assisted pharmacists in various duties such as filling prescriptions, assisting patients, inputting scripts, and administering COVID-19 and Influenza vaccinations

### **Summer Undergraduate Research Assistant**

June 2021 - August 2021

### **Stonehill College**

Easton, MA

- Extracted and sequenced ancient plant DNA(12,000 years old) from fossilized packrat nests utilizing Oxford Nanopore MinION Sequencing Platform

### **Biotechnology Lab Intern**

September 2019 - August 2020

### **Bristol Community College**

Fall River, MA

- Investigated Elephant Endotheliotropic Herpesvirus as a potential factor of mammoth extinction
- Computationally identified and evaluated the binding affinity of antibodies to target the spike glycoprotein of SARS CoV-2

### **Validation Intern**

May 2019 - October 2019

### **Celldex**

Fall River, MA

- Assisted in the validation of multiple equipment systems
- Investigated, located, organized and assisted in the review of documentation for the Biennial Validation Evaluation of 16 critical equipment systems

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## **EDUCATION**

### **Boston University**

Bachelor of Science, Computer Science

### **Boston, MA**

In Progress

### **Bristol Community College**

Associate of Science, Biology, *Cum Laude*

### **Fall River, MA**

August 2020

## **PRESENTATIONS**

DeChristopher, C. (2020, October). DNA Sequences Reveal Elephant Endotheliotropic Herpesvirus As A Potential Factor in Woolly Mammoth Extinction. Poster session presented at the International Society of Computational Biology Latin American Conference

DeChristopher, C. (2020, July). An In silico Approach To Identifying and Evaluating Antibodies to Target SARS-CoV 2 Spike Glycoprotein. Poster session presented at the International Society of Computational Biology Student Council Symposium