

# Andrew J. Cervantes

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Tufts University  
24 Burget Avenue  
Medford MA, 02155

Permanent Residence  
20 Eddlewood Place  
Mount Laurel, NJ, 08054

## Education

### **Tufts University School of Engineering**

*Bachelor of Science in Computer Science, anticipated May 2021*

Medford, Massachusetts

GPA (as of September 2019): 3.56

## Experience

### **NEW JERSEY DEPARTMENT OF HEALTH INFECTIOUS & ZOO NOTIC DISEASE PROGRAM, TRENTON, NEW JERSEY** *(hired through contract with 22<sup>nd</sup> Century Staffing Technologies)*

#### **HEALTH DATA SPECIALIST | MAY – AUGUST 2019**

- Created a database de-duplication program to identify duplicate records, perform merges, and improve data quality and database efficiency using an algorithm I designed.
- Developed an easy-to-understand, step-by-step user protocol/training guide for non-computer scientists to use the program as part of an ongoing data improvement initiative.
- Gave a presentation on the program/algorithm to senior program staff and shared ideas with information technology programmers for how the algorithm could be incorporated as a template into the state's notifiable disease database.
- Merged approximately 7,000 duplicate person records across 3 communicable diseases (Hepatitis C, Hepatitis B, and Lyme).

### **TUFTS UNIVERSITY, MEDFORD, MASSACHUSSETS**

#### **FRONT DESK ASSOCIATE | 2018 – PRESENT**

- Maintain front desk area, providing information to students and parents about financial aid and class enrollment.
- Respond to telephone and in-person information requests.
- Handle private information including SSNs, bank information, and academic standing.
- Summer 2017 – Summer 2018: Head lifeguard/morning and evening shift counselor
  - CPR and First Aid certified

## Projects

- Database de-duplication(R): Finds duplicate patients given a database of case IDs and returns the percent chance that two given people are the same.
- AboutMe webpage (html/CSS): Website used as a platform to share some information about myself and some fun projects I've done. Link: <https://ajcervantes.github.io/AboutMe>
- Space Invaders (VHDL): Runs one level of space invaders on an FPGA.
- GitHub link: <https://github.com/AJCervantes?tab=repositories>

## Skills

- Programming languages: C, C++, html, R, VHDL, MATLAB, Visual Basic, Mathematica
  - Currently learning: Python, JavaScript, Latex, C#
- Software: Unity Game Engine, Microsoft Office
- Machinery: laser cutting, drill press, and 3D printing