

Victor Arsenescu

Tufts University

victor.arsenescu@tufts.edu

Medford, Massachusetts, 02155

<http://www.eecs.tufts.edu/~varsen01>

Education

Tufts University

MAY 2021 - MAY 2022

Master of Science in Computer Science

Tufts University

SEPTEMBER 2018 - MAY 2021

Bachelor of Science in Computer Science (Magna Cum Laude)

Bachelor of Science in Biomedical Sciences (Cum Laude)

Relevant Coursework

COMP-0011: INTRO COMPUTER SCIENCE

COMP-0015: DATA STRUCTURES

COMP-0040: MACHINE STRUCTURE & PROGRAMMING

COMP-0061: DISCRETE MATHEMATICS

COMP-0105: PROGRAMMING LANGUAGES

COMP-0115: DATABASE SYSTEMS

COMP-0116: COMPUTER SYSTEM SECURITY

COMP-0120: WEB PROGRAMMING & ENGINEERING

COMP-0126: NUMERICAL LINEAR ALGEBRA

COMP-0131: ARTIFICIAL INTELLIGENCE

COMP-0135: INTRO MACHINE LEARNING

COMP-0150: ALGORITHMS & DATA STRUCTURES 2

COMP-0160: ALGORITHMS

COMP-0167: COMPUTATIONAL BIOLOGY

COMP-0170: COMPUTATION THEORY

MATH-0070: LINEAR ALGEBRA

MATH-0032: CALCULUS I

MATH-0034: CALCULUS II

MATH-0042: CALCULUS III

BME-0066: ENGINEERING DESIGN PROCESS

BME-0141: ANALYTICAL TOOLS IN BIOMEDICAL ENGINEERING

BME-0154: TISSUE ENGINEERING AND REGENERATIVE MEDICINE

BME-0162: MOLECULAR BIOTECHNOLOGY

Rutgers University
Ridge High School
Dublin Jerome School

SEPTEMBER 2017 - DECEMBER 2017
AUGUST 2015 - JUNE 2018
AUGUST 2014 - JUNE 2015

Research

- Studying under the mentorship of Professor Lenore Cowen as a member of the Tufts Bioinformatics and Computational Biology Lab.
- Establishing cell culture protocols and environment in Professor Sameer Sonkusale's NanoLab.
- Developing software for a mobile manipulator robot for patients with spinal cord injuries in the CRISP Lab at Tufts. The PIs for the project include Professor Panetta, Professor Bedell, Professor Messner, and Kentaro Barhydt. 3D Fabrication of Parts for the robot.
- Leading a research project in Professor David Kaplan's Intestine Group at Tufts in collaboration with Atlantic Health Systems Digestive Institute in Morristown, NJ.

Publications

- First Author on late breaking poster titled **"MUNDO: Methodical Unifier of Networks from Diverse Organisms"** accepted to ACM-BCB 2020 - currently being revised for publication.
- Author on late breaking poster titled **"Function Prediction in augmented PPI networks using GLIDER"** accepted to ACM-BCB 2020 - currently being revised for publication.

Honors & Awards

- **Graduated one year early** from Tufts with a **Double Major** in CS and BME.
- Recipient of the **Benjamin G. Brown Scholarship**, which is the premiere award for undergraduate scientific research at Tufts University
- Class Representative for Class of 2021 in Tufts IEEE Chapter
- Tufts CS Student Council - Member at Large Spring 2020 and Fall 2020
- Tufts Spring 2020 Dean's List • Tufts Fall 2019 Dean's List
- Tufts Spring 2019 Dean's List • Tufts Fall 2018 Dean's List
- ACT - Maximum score of **36** • AMC-8 – 2nd place State of Kentucky

Employment

Raytheon Missiles and Defense: Systems Engineer I JUN 2021 - CURRENT

Tufts University: Teaching Assistant SEPT 2020 - DEC 2020
for COMP135 (Intro Machine Learning)

Tufts University: Undergraduate Researcher MAY 2020 - CURRENT
in the Tufts BCB Group

Programming Skills

- Proficient in Python
- Proficient in Javascript
- Proficient with MySQL
- Proficient with Arduino IDE
- Proficient in Latex
- Proficient in C
- Proficient in HTML/CSS
- Proficient in MATLAB
- Proficient with Raspbery Pi
- Proficient with Fusion360

Laboratory Skills

- Cell cultures and Propagations
- Intestinal Organoid preparation and propagation
- Silk scaffold production
- Media Generation

Languages

- English (native speaker and writer)
- French (proficient speaker and writer)
- Romanian (proficient speaker and writer)

Hobbies

Coding, Working Out, Rock Climbing, Skiing, Biking, Reading