Victor Del Carpio

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EDUCATION

CENTREVILLE HIGH SCHOOL
ADVANCED DIPLOMA
June 2019 | Clifton, VA
GPA: 4.4/4.0

YALE UNIVERSITY
B.S. COMPUTER SCIENCE
Incoming freshman fall of 2019 & QuestBridge Scholar.

SKILLS

Programming
Over 2000 lines:
Java · Python · Processing · HTML · CSS
Familiar:
Javascript · Git Bash

Other
Arduino · Autodesk Inventor · Microsoft Office

PROJECTS

EQUITYPREP
Website created to provide free SAT & ACT test preparation materials for low-income students in an effort to give them with an equal opportunity in standardized testing.
HTML · CSS

DISCORDBOT
A simple bot created in Python using the Discord API. Utilizes Cleverbot.io in order to have a conversation with users in the Discord channel.
Python

LINKS

GitHub:// victor-hugo-dc
LinkedIn:// victor-hugo-dc
Website:// victor-hugo-dc

AWARDS

2018   QuestBridge Scholar
2018   AP Scholar with Distinction
2018   NHRP Scholar
2018   CMPSAC Grand GPA Award

EXPERIENCE

STEM FOR THE STREETS
CO-CEO, CO-FOUNDER
Sept 2017 – Present | Washington, D.C.
- Co-created non-profit organization aimed at exposing underprivileged children to STEM through hands-on science experiments & engaging lesson plans accompanied by STEM professionals.

THE STUDENT SCIENTIST
CONTRIBUTOR
Aug 2018 – Present | Remote
- Conducted personal research on scientific topics including: machine learning & its applications, bioinformatics & biomimicry, & mathematical concepts.

MATHNASIUM, THE MATH LEARNING CENTER
MATHEMATICS INSTRUCTOR
Aug 2018 – Dec 2018 | Centreville, VA
- Utilized the Mathnasium curriculum to instruct & tutor students.
- Handled administrative tasks regarding student grading & improvement.

ACADEMICS

GEORGE MASON UNIVERSITY
MASON-FCPS MATH DUAL ENROLLMENT PROGRAM
Sept 2018 – Present | Clifton, VA
- Math 213: Analytic Geometry & Calculus III. Partial differentiation, multiple integrals, line & surface integrals, & three-dimensional analytic geometry.
- Math 203: Linear Algebra. Systems of linear equations, linear independence, linear transformations, inverse of a matrix, determinants, vector spaces, eigenvalues, eigenvectors, and orthogonalization.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
MIT ONLINE SCIENCE, TECHNOLOGY, & ENGINEERING COMMUNITY
July 2018 – Dec 2018 | Remote
- Enrolled in college-level courses in machine learning & science writing.
- Wrote a research paper on the benefits of using bacteriophages as alternatives to antibiotics & interviewed a researcher on the topic.
- Attended week-long conference at MIT & presented a research project on the correlation between economic disparity and standardized test scores in Massachusetts Public Schools.

YALE UNIVERSITY
YALE YOUNG GLOBAL SCHOLARS, APPLIED SCIENCE & ENGINEERING
June 2018 – July 2018 | New Haven, CT
- Attended Seminars on Speech Recognition's Applications in Health Care, the Diversity of Programming Languages, and Recursion.
- Conducted a Capstone research project regarding how 3D printing coral reefs can be used to reverse the effects of Coral Bleaching.