

Dylan VanAllen

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<https://dylanjva.github.io/>

I am currently an undergraduate, studying at University at Albany, majoring in physics and computer science. Looking to continue education into graduate studies in theoretical physics.

EXPERIENCE

2020 – PRESENT

TUTOR, SUNY AT ALBANY EDUCATIONAL OPPURTUNITIES PROGRAM

Tutoring computer science courses at State University of New York at Albany in:

- Foundations of Computer Science
- Data Structures
- Programming at the Hardware/Software Interface

2018 – PRESENT

PRIVATE TUTOR

Tutoring collegiate level courses in general physics, calculus, and algebra as well as intermediate level computer science courses in python and java.

2019

JUNIOR PROGRAMMER, ZULUCARE (516) 741-7960

Managed the phone systems of several clients and dealt with any issues. Configured PBX server for phone system. Developed web services in NGINX server.

2018-2019

MUNICIPAL CONTRACTS ASSISTANT, ALLIED OIL CO (908) 300-3519

Updated and reviewed invoices. Monitored pricing and maintained documentation for municipal customers.

EDUCATION

MAY 2022

B.S. PHYSICS, STATE UNIVERSITY OF NEW YORK AT ALBANY

3.88 GPA. Courses in linear algebra, discrete probability, advanced mechanics, electromagnetism, waves, and some quantum theory.

MAY 2022

B.S. COMPUTER SCIENCE, STATE UNIVERSITY OF NEW YORK AT ALBANY

3.59 GPA. Courses in data structures, algorithms, computer architecture, principles of programming languages, and Bayesian data analysis

2017 - 2019

RARITAN VALLEY COMMUNITY COLLEGE

3.17 GPA. Courses in general education, calculus, differential equations, and computer science intro courses for Java, Python, Linux, and HTML/CSS.

2010 - 2011

JOHNS HOPKINS CENTER FOR TALENTED YOUTH

Summer programs in advanced robotics using Java and C#

SKILLS

- Experience with Java, Python, C/C#/C++, HTML /CSS, MATLAB, and LaTeX
- Some experience in UNIX/Linux operating systems
- A strong knowledge of multivariable calculus, probability, linear algebra.
- A background in physics
- Experience with data analysis

ACTIVITIES

INDEPENDENT STUDY, STATE UNIVERSITY OF NEW YORK AT ALBANY

Working with Professor Oleg Lunin to gain a base knowledge of string theory.

ROBOTICS CLUB, SOMERVILLE HIGH SCHOOL

Programming team captain