

ALEXANDER BARONSKY

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Background:

Highly skilled Computer Scientist with a strong understanding of Physics and Mathematics. Where I have worked with concepts of Multivariable Calculus, Differential Equations, Quantum Mechanics, Electromagnetism, and Thermodynamics. Proficient in Object Oriented languages such as Java, Python and C++. With an in-depth understanding of programming techniques.

Adept at problem-solving, analytical thinking, and collaborating with cross-functional teams to drive innovation. I am passionate and bring a bright attitude to contribute to cutting-edge research and development.

Education:

State University of New York at Albany, Albany NY 2019 - 2024

BS, Computer Science

*BS, Physics**

Minor in Mathematics

Monroe Community College, Rochester NY 2017 - 2019

AS, Individual Studies in Science

Prior Experience:

University of Rochester C.E.K. Mees Observatory:

Tour guide, presenter, and telescope operator. Responsibilities include educational talks on various astronomy related topics. In addition to maintaining and operating the observatory telescope.

State University of New York at Albany, C.S. Capstone Project:

Worked with an Academic Sponsor consisting of a Professor and graduate students. My capstone team and I translated the AirView algorithm written in Java to Python. Then integrating the algorithm into a custom instance of the open sourced project the IQEngine.

Rochester Christian School:

Teaching aid for elementary students in math and science.

Relevant Skills:

- Programming Languages: C/C++, Java, Python, MATLAB, JavaScript, HTML, CSS, Assembly, SQL, Scheme and Prolog
- Languages: Beginner German and Beginner French.
- Skills: Hands-on Lab and technology skills.
Attention to detail, team-oriented and Communication

Awards and Acknowledgements

- ***Best Computer Science Capstone Project | Academic Recognition***
Spring 2024
- ***Dean's List | Academic Recognition***
Spring 2020
- ***Dollars for Scholars Recipient | Academic Scholarship***
June 2016
- ***Eagle Scout | Boy Scouts of America***
September 2015

Extracurricular:

- University at Albany Physics Club Member
- University of Rochester: Astronomy Section, Rochester Academy of Science (ASRAS) Club Member
- French student exchange program
- Lead summer camp counselor