Micah Banschick

Curriculum Vitae

Stamford, CT — micah.banschick@uconn.edu — (914) 714-3677 — linkedin.com/in/micah-banschick/ — Country Citizen

EDUCATION

B.Sc. in Physics and Mathematics
Year of completion: 2027
University of Connecticut
Thesis: [Project Title] - *Advisor*: Professor Peter Schweitzer
GPA: 3.80

EMPLOYMENT

Java API Engineer
Year-Year: XXXX-2023
Synchrony Financial
(Encoded and debugged files from the team assigned to API preferences and notifications for the Monster corporation according to the team's Jira storyboard in bi-weekly sprints.)

Software Engineer
Year-Year: 2021-Present
CyberPR Army
(Designs website structure and style for various pages through an extensive knowledge of CSS.)

AFRL Scholar
Year-Year: XXXX-2024
Air Force Research Laboratory
(Researched Optical Signatures of Ion-neutral Collisions on-site.)

RESEARCH EXPERIENCE

Merging Supermassive Black Hole Binary Systems - *Advisor: Prof. Jonathan Trump*
Year - Year: 2024 - Present
University of Connecticut
Calculated the spectral emission distributions of supermassive black holes by integrating radially through their mini-disks.

Quantum Computation Power with Qubit - *Advisor: Prof. Lea Ferreira dos Santos*
Year - Year: 2024 - Present
University of Connecticut
Analyzed the matrix symmetry of the Kerr Hamiltonian representing the observables of a qubit.

Optical Signatures of Ion-neutral Collisions - *Advisor: Dr. Benjamin Prince*
Year - Year: XXXX - 2024
Air Force Research Laboratory
Maecenas ultricies augue a turpis viverra iaculis. Fusce a lorem est.

Predicting Stock Trends Using LSTM-Neural Networks - *Advisor: Prof. Phillip Bradford*
Year - Year: 2021 - XXXX
University of Connecticut
Used TensorFlow and LSTM-Neural Networks to predict Stock trends and collaborated weekly with the research supervisor about how to improve the program.

Psychology of Human Expression - *Advisor: Yuvalal Liron*
Year - Year: 2016 - 2017
Weizmann Institute of Science
Simulated over 500 instances of expression through mock-illustrations and recorded results.

CONFERENCE ACTIVITY

Posters Presented

Luminescence Measurements of Charge Transfer Collisions of $N_2^+ + N_2$
Date: 2024
Air Force Research Laboratory Poster Session
Nam suscipit et nisi a aliquet. Fusce metus lacus, porta a viverra et, tristique pharetra magna. Cras in leo sem. Etiam ut vehicula massa, eu semper est. Integer quis eros sapien. Quisque sed pellentesque metus. Sed a augue quis mi dictum pharetra.

AWARDS AND HONORS

Philips Scholar, USRA, $11,838.40 2024
Honors Scholar in Physics, University of Connecticut 2023 - 2027
Annual Physics Award, University of Connecticut 2023
Annual Mathematics Award, University of Connecticut 2023
Dean's List, University of Connecticut 2023

TEACHING EXPERIENCE

Electricity Lessons Using Vandergraff Generator, Hartford Public High School 2024
Gravity Lessons Through Projectile Motion, Hartford Public High School 2024

PROFESSIONAL MEMBERSHIPS

Society of Physics Students, University of Connecticut 2023
Science Technology and Astronomy Recruits, University of Connecticut 2023
Phi Sigma Pi, University of Connecticut 2023

REFERENCES

Jonathan Trump
Associate Professor
Dept. of Physics, University of Connecticut
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Lea Ferreira dos Santos
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