NAAZNEEN SHAFEER V.K

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OBJECTIVE

Aspiring physicist (sophomore with junior standing) at the University of Southern California seeking roles to broaden expertise and contribute to advancing our understanding of the universe.

EDUCATION

Bachelors of Science in Physics, University of Southern California — Expected 2027

Relevant Coursework: Method of Computational Physics, Stellar Astrophysics

High School Diploma, top 10 percent at Cascade High School — 2019-2023

AAS-DTA,concentration in Physics and Astronomy, Everett Community College — 2021-2023

Certificate in Aerospace Composites Foundation, Everett Community College — 2022

SKILLS

Technical Skills Python, Blender, Solidworks, C++, Machine Shop Safety, LaTeX, Office 365

Soft Skills Hardworking, Diligent Communicator, Efficient Collaborator, Leadership Qualities

WORK EXPERIENCE

Undergraduate Researcher — Jan 2024 - Present

University of Southern California, Cosmology Research Lab– *Los Angeles, CA*

- Collaborating with Professor Kris Pardo and Ph.D. student Mya Do to refine theoretical models; such as dynamical friction and visualization of dual AGNs.

President — Jan 2024 – Present

University of Southern California, Society of Physics Students– *Los Angeles, CA*

- Lead extracurricular initiatives for USC's premier physics club.
- Organize events connecting physics students across Greater Los Angeles.
- Inspire students to explore new opportunities and become pioneers in their passions.

Youth Aerospace Program Intern — July 2022 – June 2023

Evergreen Goodwill– *Seattle, WA*

- Elected **President of the Student Council**, leading 15 peers in organizing initiatives.
- Coordinated events connecting students with aerospace professionals.
- Led startup concept to develop lightweight, carbon-fiber aircraft seats, pitched in a "Shark Tank" methodology - nurturing stronger team dynamics.

PROJECTS/RESEARCH

Cosmology Research (2024 – Present)

Simulating supermassive black hole binary mergers, addressing unresolved components of dynamical friction and effects on this system.

Astrophysics Research (2022 – 2023)

Investigated black hole GRS 1915+105 and modeled the feasibility of stable planetary orbits (and habitability) in X-ray binary systems.

EXTRA-CURRICULAR ACTIVITIES

PAMP	**3D4E**	**Physics Climate Committee**
Undergraduate Director	*Lab Technician*	*Undergraduate Representative*
09/24 – Present	10/23 – Present	11/24 – Present