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Rohit**Mishra**

ABOUT ME

I am currently working at the [Computational Thermo-Fluids Laboratory (CTF lab)], [Texas A&M University] as a research assistant. I am pursuing my PhD under the supervision of [Dr. Dorrin Jarrahbashi].

My interests: * Physics based modeling and simulation * Machine learning for combustion simulation * Turbulence and multi-phase flow modeling * Supercritical/transcritical flows * High performance computing * 3D rendering

[Texas A&M University]: https://www.tamu.edu/ [Dr. Dorrin Jarrahbashi]: https://engineering.tamu.edu/mechanical/p dorrin.html [Computational Thermo-Fluids Laboratory (CTF lab)]: https://cfd.engr.tamu.edu/

EDUCATION

PhD Mechanical Engineering GPA: 4.00/4
Texas A\&M University

M.S. Mechanical Engineering
Texas A&M

EXPERIENCE

Research Assistant 2019-Present
Texas A\&M University, College, TX

- Sample text written as part of the demo for profileio. Sample text written as part of the demo for profileio
- This is the sample text written for the demo of profileio

PATENTS

Physics based simulations: Level set method I for artistic simulations (9999998). Level set method II for artistic simulations (9999999).

Experimental physics: Novel PIV method to quatify velocity of fluid flow through swirl atomizer (9999997)

PROJECTS

Degassing in diesel injector nozzles
with Dorrin Jarrahbashi 2020-Present

- Website and resume generator via YAML

PUBLICATIONS

Made-up title of an article for ProfileIO' demo, **Rohit Mishra**, Author II, Journal of Computational Physics, 353:377-406, 2018.

VOCATIONAL TRAINING

Trainee 2014
Animation Studios

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SKILLS

Programming Languages: Fluent: C++, C, Go. Experienced: Python, JavaScript, PHP

Libraries: Eigen, NumPy, MPI, etc.

Tools: CMake, gdb, valgrind, etc.