Noah Patton

PhD Student, University of Texas at Austin

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Education

PhD in Computer Science | Present
University of Texas at Austin
- *Advised by Professor Joydeep Biswas and Professor Işil Dillig*

Bachelor of Applied Science in Electrical and Computer Engineering | 2022
University of Toronto
- Minor in Machine Learning and Artificial Intelligence
- High Honors

Work and Research Experience

Undergraduate Researcher, D3M Lab | 2021
University of Toronto
- Research project focused on improving risk sensitivity of plans in stochastic domains
- Formalized and developed experiments for research paper

Hardware Verification Intern | 2020-2021
AMD
- Aided in test writing and architecturing for new GPU compression hardware blocks
- Streamlined regression test flow

Undergraduate Researcher, Laboratory for Power Management and Integrated Switch-Mode
Power Supplies (SMPS) | 2019
University of Toronto
- Aided in simulation for new SMPS topology
- Created PCB layout for testing new topology

Publications

- **N. Patton**, J. Jeong, M. Gimelfarb, and S. Sanner, "A Distributional Framework for Risk-Sensitive End-to-End Planning in Continuous MDPs", AAAI, vol. 36, no. 9, pp. 9894-9901, Jun. 2022.

Awards and Honors

- Certificate of Distinction (Capstone Project), University of Toronto (2022)
- Andrew Alexander Kinghorn Scholarship, University of Toronto (2018)
- Edward S. Rogers Sr Department of ECE Top Student Award, University of Toronto (2018)
- Charles A. Lowry Prize, University of Toronto (2018)