## Michael Xu



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Education		
Simon Fraser University PhD in Computing Science	May	2023 — Present
University of Toronto B.A.Sc. in Engineering Science, Electrical and Computer Engineering Option	Sep 20	)15 — Apr 2020
Publications		
<ul> <li>Michael Xu, Yi Shi, KangKang Yin, Xue Bin Peng. PARC: Physics-b inforcement Learning for Character Controllers. In ACM SIGGRAPH 2 (SIGGRAPH '25) (2025).</li> </ul>	•	
<ul> <li>Michael Xu*, Changyong Song*, David I. W. Levin, David Hyde. A Method Framework for Shape Morphing. IEEE Transactions on Visualiza (2025).</li> </ul>		
Work Experience		
• Research Intern, Disney Research Studios	Jun 2025 — Aug 2025	
• Software Developer, Rocscience Inc.	May 2020 — Jan 2023	
• Software Developer Intern, Rocscience Inc.	May 2019 — Aug 2019	
• Software Engineering Intern, Microsemi Corporation	Jul 2018 — Apr 2019	
• Summer Research Student, UofT Dynamic Graphics Project	May 2017 — Aug 2017	
• Technical Student, Toronto Hydro	May 2016 — Aug 2016	
Invited Talks		
Physics-based Augmentation with Reinforcement Learning for Character C ETH Zürich — Computational Robotics Lab Zürich, Switzerland	ontrollers	Aug 7, 2025
Physics-based Augmentation with Reinforcement Learning for Character C Disney Research Studios — Robotics Group Zürich, Switzerland	ontrollers	July 15, 2025
Physics-based Augmentation with Reinforcement Learning for Character C Disney Research Studios — Animation Group Zürich, Switzerland	ontrollers	July 1, 2025
Posters		

- Michael Xu\*, Changyong Song\*, David I. W. Levin, David Hyde. A Differentiable Material Point Method Framework for Shape Morphing. *Symposium of Computer Animation*, (2024) Best Poster Award
- **Michael Xu**, David I. W. Levin. Deformation Gradient Control of Physically Simulated Elastoplastic Amorphous Objects. *Symposium of Computer Animation*, (2023)

## Awards

Best Poster Award - Symposium of Computer Animation 2024	2024
• 3rd at Ontario Engineering Competition - Programming	2018
• 1st at UofT Engineering Kompetition (UTEK) - Programming	2018
• 2nd at WearHacks Toronto Hackathon	2016
3rd at UofT Game-Making Deathmatch	2016
Vale Higher Education Scholarship	2015
UofT President's Entrance Scholarship	2015