


Jackson Hull

High School Student (*ML* + *Simulation*)

I am a High School student at Palo Alto High School! I have a big passion for aviation, and am in a select couple of extra curriculars matching my interests. I am a C/MSgt (Master Sergeant) in the Civil Air Patrol, and am on the Paly Varsity Congressional Speech and Debate team.

 @jacksonrhull

 Username

 CV PDF

Education

Aug. 2024 — June 2028

High School Diploma (2028)

Palo Alto High School, Palo Alto, California

Academic Research Experience

Industry Experience

Honors and Awards

Publications

Journal

J1 **VisGrader: Automatic Grading of D3 Visualizations**

Matthew Hull, Vivian Pednekar, Hannah Murray, Nimisha Roy, Emmanuel Tung, Susanta Routray, Connor Guerin, Justin Chen, Zijie J. Wang, Seongmin Lee, Mahdi Roozbahani, and Duen Horng Chau

IEEE Transactions on Visualization and Computer Graphics (TVCG), Melbourne, Australia, 2023.

 Project  PDF  Video  Code

Conference

- C1 **UnDREAM: Bridging Differentiable Rendering and Photorealistic Simulation for End-to-end Adversarial Attacks**
Mansi Phute, **Matthew Hull**, Haoran Wang, Alec Helbling, ShengYun Peng, Willian Lunardi, Martin Andreoni, Wenke Lee, and Polo Chau
arXiv, 2026.
- [Project](#) [PDF](#)
- C2 **RenderBender: A Survey on Adversarial Attacks Using Differentiable Rendering**
Matthew Hull, Haoran Wang, Matthew Lau, Alec Helbling, Mansi Phute, Chao Zhang, Zsolt Kira, Willian Lunardi, Martin Andreoni, Wenke Lee, and Duen Horng Chau
International Joint Conference on Artificial Intelligence (IJCAI), Montréal, Canada, 2025.
- [Project](#) [PDF](#)
- C3 **Robust Principles: Architectural Design Principles for Adversarially Robust CNNs**
ShengYun Peng, Weilin Xu, Cory Cornelius, **Matthew Hull**, Kevin Li, Rahul Duggal, Mansi Phute, Jason Martin, and Duen Horng (Polo) Chau
British Machine Vision Conference (BMVC), Aberdeen, UK, 2023.
- [Project](#) [PDF](#) [Video](#) [Poster](#) [Code](#)
- C4 **Argo Lite: Open-Source Interactive Graph Exploration and Visualization in Browsers**
Siwei Li, Zhiyan Zhou, Anish Upadhayay, Omar Shaikh, Scott Freitas, Haekyu Park, Zijie J Wang, Susanta Routray, **Matthew Hull**, and Duen Horng Chau
Conference on Information and Knowledge Management (CIKM), Virtual, 2020.
- [Project](#) [PDF](#) [Code](#)

Workshop

- W1 **3D Gaussian Splat Vulnerabilities**
Matthew Hull, Haoyang Yang, Pratham Mehta, Mansi Phute, Aeree Cho, Haoran Wang, Matthew Lau, Wenke Lee, Willian Lunardi, Martin Andreoni, and Duen Horng Chau
CVPR Workshop on Neural Fields Beyond Conventional Cameras (NFBCC), Nashville, TN, 2025.
- [Project](#) [PDF](#) [Poster](#) [Code](#)

Poster

- P1 **Revamp: Automated Simulations of Adversarial Attacks on Arbitrary Objects in Realistic Scenes**
Matthew Hull and Zijie J. Wang and Duen Horng Chau
International Conference on Learning Representations (Tiny Papers at ICLR), Vienna, Austria, 2024.
- [Project](#) [PDF](#) [Video](#) [Code](#)

P2 **LLM Self Defense**

Mansi Phute, Alec Helbling, **Matthew Hull**, ShengYun Peng, Sebastian Szyller, Cory Cornelius, and Duen Horng Chau

International Conference on Learning Representations (Tiny Papers at ICLR), Vienna, Austria, 2024.

[Project](#) [PDF](#) [Code](#)

P3 **Towards Automatic Grading of D3.js Visualizations**

Matthew Hull, Connor Guerin, Justin Chen, Susanta Routray, Duen Horng (Polo) Chau

IEEE Visualization Conference (VIS), Virtual, 2021.

[Project](#) [PDF](#) [Video](#) [Poster](#)

Preprint

P1 **ComplicitSplat: Downstream Models are Vulnerable to Blackbox Attacks by 3D Gaussian Splat Camouflages**

Matthew Hull, Haoyang Yang, Pratham Mehta, Mansi Phute, Aeree Cho, Haoran Wang, Matthew Lau, Wenke Lee, Willian Lunardi, Martin Andreoni, and Duen Horng Chau

arXiv, 2025.

[Project](#) [PDF](#) [Code](#)

Talks

20XX

Teaching

Month. YYYY - Present

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Service

Reviewer

Curious where this is put

Member

Certifications

References

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