JAMES S. STEVENSON

Columbus, OH, USA

james.sharpsteen@gmail.com

EMPLOYMENT

Bioinformatics Software Developer *Sep. 2020 – present*
Institute for Genomic Medicine, Nationwide Children's Hospital

- Lead development of biomedical concept normalizer projects, including Thera-Py and Disease Normalizer. Tailor rapid data ingest methods over millions of records from a variety of biomedical data formats into DynamoDB, PostgreSQL, and Neo4j backends.
- Contribute full-stack development to Drug-Gene Interaction Database and Fusion Builder projects, from data architecture planning to UX/UI evaluation. Provide quantitative analyses and draft figures for manuscripts and working papers.
- Help develop NIH standards for AI-ready biomedical data as a Bridge2AI Standards Workgroup member.

EDUCATION

Georgia Institute of Technology *expected May 2024*
Master of Science in Computer Science (specialization: Machine Learning)

- **Relevant courses**: Machine Learning, Deep Learning, Big Data for Healthcare, AI Ethics & Society, Graduate Algorithms

Seattle Central College & University of Washington *2017 – 2019*
Non-Degree Enrollment (45 credits) in Computer Science, Applied Mathematics, and Biostatistics

University of Puget Sound *May 2013*
Bachelor of Arts in Philosophy; Politics & Government

PUBLICATIONS

Matthew Cannon, **James Stevenson**, Kathryn Stahl, Rohit Basu, Adam Coffman, Susanna Kiwala, Joshua F McMichael, Kori Kuzma, Dorian Morrissey, Kelsy Cotto, Elaine R Mardis, Obi L Griffith, Malachi Griffith, Alex H Wagner. "DGIdb 5.0: rebuilding the drug–gene interaction database for precision medicine and drug discovery platforms." Nucleic Acids Research, Volume 52, Issue D1, 5 January 2024

Matthew Cannon, **James Stevenson**, Kori Kuzma, Susanna Kiwala, Jeremy L Warner, Obi L Griffith, Malachi Griffith, Alex H Wagner. "Normalization of Drug and Therapeutic Concepts with Thera-Py." JAMIA Open, vol. 7, no. 4 (2023).

CONFERENCE PRESENTATIONS

Cancer Genomics Consortium Annual Meeting, St. Louis, MO *August 2023*
"Overcoming challenges in semantic alignment of therapeutics knowledge using TheraPy"
Technologist Abstract Travel Award

CASCAID Regional Conference, Bellingham, WA *August 2012*
"You Eat What You Are: Deconstruction, Dialectics, and Digestion"
Best Student Paper Award

TEACHING