

JAMES S. STEVENSON

Columbus, OH, USA

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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.
- Maintain community-driven genomics software within the [Biocommons](#) stack.

EDUCATION

Georgia Institute of Technology

expected May 2024

Master of Science in Computer Science (specialization: Machine Learning)

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

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

Instructional Aide

Jan. 2021 - Aug. 2021

Georgia Institute of Technology

CS 6750: Human-Computer Interaction