

EDUCATION

Washington University in St. Louis

Ph.D., Computer Science

September 2023 - Present

Advisor: [Chenyang Lu](#)

M.S., Computer Engineering

September 2020 - May 2023

Thesis: [Feature Selection from Clinical Surveys Using Semantic Textual Similarity](#)

B.S., Computer Engineering

September 2020 - May 2023

Pacific Lutheran University

B.A., Computer Science, *summa cum laude*

September 2018 - May 2020

Minor in Mathematics

PUBLICATIONS

Preprints

P1 Warner, B. C., Xu, Z., Haroutounian, S., Kannampallil, T., Lu, C., *Utilizing Semantic Textual Similarity for Clinical Survey Data Feature Selection* 2023. arXiv: [2308.09892](#) [[cs](#).[CL](#)]

Conference Proceedings

C1 Liu, H., Lou, S. S., **Warner, B. C.**, Harford, D. R., Kannampallil, T., Lu, C., *HiPAL: A Deep Framework for Physician Burnout Prediction Using Activity Logs in Electronic Health Records in SIGKDD* (2022). doi:[10.1145/3534678.3539056](#)

C2 Warner, B., Crook, A., Cao, R., *Predicting the DJIA with News Headlines and Historic Data Using Hybrid Genetic Algorithm/Support Vector Regression and BERT* in *2020 International Conference on Big Data* (2020). doi:[10.1007/978-3-030-59612-5_3](#)

Journal Articles

J1 Lou, S. S., Kim, S., Harford, D., **Warner, B. C.**, Payne, P. R., Abraham, J., Kannampallil, T., Effect of clinician attention switching on workload and wrong-patient errors. en. *British Journal of Anaesthesia*. doi:[10.1016/j.bja.2022.04.012](#) (2022)

J2 Odozor, C. U., Kannampallil, T., Ben Abdallah, A., Roles, K., Burk, C., **Warner, B. C.**, Alaverdyan, H., Clifford, D. B., Piccirillo, J. F., Haroutounian, S., Post-acute sensory neurological sequelae in patients with SARS-CoV-2 infection: the COVID-PN observational cohort study. *Pain*. doi:[10.1097/j.pain.0000000000002639](#) (2022)

J3 Lou, S. S., Liu, H., **Warner, B. C.**, Harford, D., Lu, C., Kannampallil, T., Predicting physician burnout using clinical activity logs: Model performance and lessons learned. *Journal of Biomedical Informatics*. doi:[10.1016/j.jbi.2022.104015](#) (2022)

J4 Warner, B. PhysiCL: An OpenCL-Accelerated Python Physics Simulator. *Journal of Undergraduate Reports in Physics*. doi:[10.1063/10.0006351](#) (2021)

Extended Abstracts

A1 Warner, B. C., Kannampallil, T., Kim, S., *Autoregressive Language Models For Estimating the Entropy of Epic EHR Audit Logs* in *ML4H Findings* (2023). arXiv: [2311.06401](#) [[cs](#).[CL](#)]

Miscellaneous

M1 Killebrew Bruehl, A., Knofczynski, J., **Warner, B.**, Shelton, R., *Combating COVID on College Campuses: The Impact of Structural Changes on Viral Transmissions* <https://archives.psu.edu/ds/psu/33611>

M2 Abraham, J., Meng, A., **Warner, B.**, Budelier, T., Kannampallil, T., Role of Telemedicine in Remote Intraoperative Decision Support. (*internal publication*) (2022)

TALKS

Institute for Informatics, Data Science and Biostatistics Symposium

April 2024

TEACHING
EXPERIENCE

Washington University in St. Louis
Head Teaching Assistant, Data Structures & Algorithms Seminar
Teaching Assistant, AI for Health
Assistant Instructor, Autonomous Aerial Vehicle Laboratory
Teaching Assistant, Machine Learning
Assistant Instructor, Data Analysis with Applications to Financial Engineering
Assistant Instructor, Probability & Statistics for Engineers
Teaching Assistant, Data Structures & Algorithms Seminar
Teaching Assistant, Data Structures & Algorithms
Assistant Instructor, Electrical Laboratory for Mechanical Engineers

Fall 2021 - Spring 2023
Spring 2024
Fall 2022 - Spring 2024
Fall 2022 - Fall 2023
Spring 2022
Fall 2021 - Spring 2022
Spring 2021
Spring 2021 - Summer 2021
Fall 2021

Pacific Lutheran University
Tutor, Math & Computer Science

Fall 2019 - Spring 2020

SERVICE

Reviewer, BMJ Public Health
Reviewer, Machine Learning for Health Symposium (ML4H)
President, Bear Nation Varsity Band

2024
2023
Fall 2022 - Spring 2023

AWARDS

Dean’s Select Ph.D. Fellowship, Washington University in St. Louis
CSE Outstanding Senior Award, Washington University in St. Louis
Dean’s List, Pacific Lutheran University

2023 - 2029
Spring 2021
Fall 2018 - Spring 2020

INDUSTRY
EXPERIENCE

Software Engineering Intern, MongoDB
Software Engineering Intern, Comcast

June - August 2022
June - August 2021