Spencer D Schoenberg

spencrr.dev

✉ me [αt] spencrr.dev
 github.com/spencrr
 linkedin.com/in/spencer-schoenberg
 google scholar

EDUCATION

University of Wisconsin–Madison
PhD Computer Science

Research Area - Machine Learning, Systems

SEPT 2022 - PRESENT

University of Wisconsin–Madison
BS Computer Science, Data Science

SEPT 2019 - MAY 2022

GPA 3.7 - 149 Credits

Stanford University
JUN 2018 - AUG 2018

GPA 3.81 - 11 Credits - Computer Science Intensive

Cedarburg High School
SEPT 2015 - JUN 2019

GPA 4.17 - 32 Credits

EXPERIENCE

Software Engineer Intern – Microsoft
MAY 2023 - AUG 2023

Created Business Continuity and Disaster Recovery (BCDR) solution using automated point-in-time Backup and Restore for central datastore

MAY 2022 - AUG 2022

Developed automated deployment orchestration compute job to update database indexing policies following ring topology and cell-based architecture (CeBA)

MAY 2021 - AUG 2021

Developed Azure AD change logging for sync and recovery via Cosmos DB

Utilized data partitioning and replication consistency

Achieved end-to-end logging in pre-production environment

Software Engineer Intern – Johnson Controls
JUNE 2020 - JAN 2021

Developed Python-based Binary Image Builder Tool

Improved Jenkins and Docker CI DevOps System

Effectively Collaborated in Agile Scrum Team

TEACHING & MENTORSHIPS

Graduate Teaching Assistant – UW–Madison
SEPT 2022 - PRESENT

Big Data Systems (CS 544) instructed by Dr. Tyler R. Caraza-Harter

Computer Graphics (CS 559) instructed by Professor Michael Gleicher, Professor Eftychios Sifakis

Peer Mentor – UW–Madison
JAN 2022 - MAY 2022

Algorithms (CS 577) instructed by Professor Marc Renault

RESEARCH

Research Collaborator
OCT 2021 - PRESENT

Professor Aws Albarghouthi, Professor Frederic Sala

Label Function Synthesis for Weak Supervision with Generative Models

Developed Hyperparameter Search Tool for Regex Synthesizer

Competition Organizer
FEB 2023 - SEPT 2023

AutoML Cup – AutoML Conference 2023

Developed and deployed backend training and evaluation compute infrastructure

TECHNICAL SKILLS

Languages
Python, C#, Java, JavaScript/TypeScript, R, C/C++

Data Analysis & Machine Learning
NumPy, pandas, Matplotlib,
scikit-learn, TensorFlow, PyTorch

AWARDS & AFFILIATIONS

UW–Madison Dean's List

BSA Eagle Scout

National AP Scholar

National Honor Society Member

Silicon Valley Innovation Academy

Stanford Computer Science Intensive

EXTRACURRICULARS

AI@UW – Artificial Intelligence Club
SEPT 2019 - PRESENT

FIRST Robotics – Team 3197
SEPT 2015 - JUN 2019

World Championships Qualifiers 2018, 2019

Introduced Git SCM and Travis CI Testing

Implemented OpenCV Pipeline on Raspberry Pi

MIT Zero Robotics – CHS Coding Club
SEPT 2017 - JUN 2019

ISS Finalists 2018, 2019

World Champions 2019