Spencer D Schoenberg

spencrr.dev

me [at] spencrr.dev
github.com/spencrr

EDUCATION

University of Wisconsin–Madison

PhD Computer Science

Research Area - Machine Learning

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 2022 - AUG 2022

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

Within Azure Identity and Access Management (IAM)

Software Engineer Intern – Microsoft

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

Computer Graphics (CS 559) instructed by Professor Eftychios Sifakis

Peer Mentor – UW–Madison

JAN 2022 - MAY 2022

Algorithms (CS 577) instructed by Professor Marc Renault

RESEARCH

Research Collaborator – Supersynth

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

TECHNICAL SKILLS

Languages

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

Data Analysis & Machine Learning

NumPy, pandas, dplyr, Matplotlib, scikit-learn, TensorFlow, PyTorch

Development Tools

Git, UN*X, npm, Visual Studio Code, Eclipse

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