Spencer D Schoenberg

spencrr.dev

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

EDUCATION

University of Wisconsin–Madison
SEPT 2019 - MAY 2022 (Expected)
BS Computer Science, Data Science
GPA 3.65 - 136 Credits

Cedarburg High School
SEPT 2015 - JUN 2019
GPA 4.17 - 32 Credits

Milwaukee School of Engineering
SEPT 2018 - FEB 2019
GPA 3.25 - 6 Credits - Early College Credit Program

Stanford University
JUN 2018 - AUG 2018
GPA 3.81 - 11 Credits - Computer Science Intensive

RESEARCH

Undergraduate Collaborator — Supersynth
OCT 2021 - PRESENT

Dr. Aws Albarghouthi, Dr. Frederic Sala at UW-Madison

Label Function Synthesis for Weak Supervision with Generative Models

Developed Hyperparameter Search Tool for Regex Synthesizer

EXPERIENCE

Software Engineering 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 Engineering 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

MENTORSHIPS

FIRST Robotics Team 3197 — Student Mentor
SEPT 2017 - JUN 2019

Introduced Students to Object Oriented Programming in Java and C++

CHS Coding Club — Student Mentor
SEPT 2017 - JUN 2019

Mentored MIT Scratch and Java to Elementary and Middle School Students

SKILLS

Languages
Python, R, JS/TS, Java, C#, 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

FIRST Robotics Dean's List Semifinalist

MIT Zero Robotics World Champions

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

Qualified for World Championships 2018, 2019

Introduced Git SCM and Travis CI Testing

Implemented OpenCV Pipeline on Raspberry Pi Coprocessor

Utilized Various Sensors including Ultrasonic and LIDAR

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

Collaborated with Teams Internationally

ISS Finalists 2018, 2019