

Walter Sagehorn

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EDUCATION

The University of Texas at Austin, Austin, TX

May 2019

Bachelor of Science in Computer Science - 3.38 GPA

Completed Coursework: Computer Architecture, Data Structures, Discrete Math, Calculus

Current Coursework: Operating Systems, Longhorn Startup Seminar

Planned Coursework: (Spring 2017) Linear Algebra, Algorithms, Statistics

EXPERIENCE

Autonomous Intelligent Robotics Research Laboratory, Austin, TX

Summer 2016

Undergraduate Researcher

- Independently designed and built a distributed status server to facilitate communication among robots and to a web client
- Optimized the lab's local DNS server by redesigning and reimplementing in Go, reducing page load time by over 90%

Digital Lumens, Boston, MA

Summer 2015

Software Engineering Intern

- Worked as a part of a small team to expand and improve a Rails-based web application
- Restyled web application with Sass, made changes that were shipped to clients worldwide

Bourque Logistics, The Woodlands, TX

Summer 2013, 2014

Software Engineering Intern

- Expanded a web app for logistical data analysis written in C# and using the .NET framework

PROJECTS

Multi-Agent Status Server for AIR Research Lab

2016

Designed and created a system which allows continuous updating and services of robot diagnostics.

Machine Learning in Python

2014

Implemented an artificial neural network in Python using the NumPy framework designed to learn to "read" data from images of hand-drawn digits.

Web-Based Schedule Network Organizer

2014

Created a web app using Python and the Flask framework to connect students from my high school to others in their classes based on their schedule; accumulated 900 unique users within the first week.

TECHNICAL SKILLS

Working Knowledge:

Python, Java, Go, HTML/CSS
Git, Linux

Basic Knowledge:

C/C++, Ruby, JavaScript, C#.NET
GDB, LaTeX, ROS

ACTIVITIES AND ACHIEVEMENTS

- Awarded fellowship for research in Autonomous Intelligent Robotics Laboratory
- Treasurer of the Moore-Hill Residence Hall Council
- Captain of intramural volleyball team

INTERESTS Machine Learning, Running, Security, Fitness, Super Smash Bros. Melee