

WALTER SAGEHORN

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EDUCATION

University of Texas, Austin *May 2019*
B.S. in Computer Science
Overall GPA: 3.38

SOFTWARE SKILLS

Proficient in Python, Java, HTML/CSS
Work in C/C++, Go, JavaScript, Ruby, Git
Exposure to GDB, Assembly, SQL, LaTeX

WORK EXPERIENCE

Autonomous Intelligent Robotics Research Laboratory Summer 2016
Undergraduate Research Fellow *Austin, TX*

- Independently designed and built a distributed status server to connect robots to the web
- Optimized the lab's local DNS server with Golang, reducing page load time by over 90%

Digital Lumens Summer 2015
Software Engineering Intern *Boston, MA*

- Worked as a part of a small team to improve a Rails-based web application for managing lighting and energy through Digital Lumens' intelligent lighting systems
- Redesigned user interface with Sass+Bourbon, pushed changes that were shipped to clients worldwide

Bourque Logistics Summer 2013, Summer 2014
Software Engineering Intern *The Woodlands, TX*

- Expanded a web app for logistical analysis of rail-based shipping data, written in C# and .NET
- Performed routine quality assurance and security testing

CLASSES

Completed Coursework	Computer Architecture, Data Structures, Discrete Math, Calculus
Current Coursework	Operating Systems, Longhorn Startup Seminar
Planned Coursework	(Spring 2017) Linear Algebra, Algorithms, Statistics

PROJECTS

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|--|-------------|
| • Multi-agent status server for research lab in Golang | <i>2016</i> |
| • Web-Based Schedule Network Organizer for high school classes | <i>2014</i> |
| • Machine Learning in Python with NumPy | <i>2015</i> |
| • School talent show real-time scoring web app | <i>2015</i> |
| • Chrome plugin to block promoted posts on Pinterest | <i>2016</i> |

ACTIVITIES AND INTERESTS

- Treasurer of the Moore-Hill Residence Hall Council
- Captain of intramural volleyball team
- UT Running Club, UT Handball
- Machine Learning, Fitness, Cybersecurity, Automation