

WALTER SAGEHORN

wsagehorn@gmail.com ◇ (936) 647-5350 ◇ github.com/wsagehorn ◇ wsagehorn.com

EDUCATION

University of Texas, Austin *May 2019*
B.S. in Computer Science
Overall GPA: 3.2

TECHNICAL SKILLS

Languages Python, Java, JavaScript, C, Go
Frameworks Flask, React, Rails, Bootstrap
Tools & Workflow GCP, Git, Trello, Atom

RELEVANT COURSEWORK

Computer Science Software Engineering, Operating Systems, Computer Architecture,
Data Structures, Longhorn Startup Seminar

Mathematics Linear Algebra, Statistics, Discrete Math, Calculus

Current Classes Algorithms and Complexity, Intro to Security

PROFESSIONAL EXPERIENCE

The Home Depot Software Engineering Intern Summer 2017

- Designed and created interactive performance visualizations using React and D3.js; including a dependency graph of THD's microservices and their performance metrics
- Integrated PagerDuty into the primary SRE pipeline to improve uptime estimation across all home-depot.com microservices

Learning Agents Research Group Research Fellow Summer 2016

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

Digital Lumens Software Engineering Intern Summer 2015

- 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

PROJECTS

| | | |
|--|----------------------|-------------|
| • Real-time cryptocurrency trading bot | <i>Python</i> | <i>2017</i> |
| • Web app to browse Rijksmuseum collections | <i>Flask, React</i> | <i>2017</i> |
| • Multi-agent status server for research lab | <i>Go</i> | <i>2016</i> |
| • Schedule-based Network Organizer for high school classes | <i>Python, Flask</i> | <i>2014</i> |
| • Artificial Neural Network from scratch | <i>Python, NumPy</i> | <i>2015</i> |

ACTIVITIES AND INTERESTS

- UT Handball Team
- Freshman Research Initiative Peer Mentor
- Blockchain tech, Cybersecurity, Cryptography, AI, Fitness, Hackathons, Gardening