

WALTER SAGEHORN

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EDUCATION

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

SOFTWARE SKILLS

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

PROFESSIONAL EXPERIENCE

The Home Depot Summer 2017
Reliability Engineering Intern *Austin, TX*

- 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

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

RELEVANT COURSEWORK

Math	Linear Algebra, Statistics, Discrete Math, Calculus
Computer Science	Software Engineering, Operating Systems, Computer Architecture, Data Structures, Longhorn Startup Seminar
Current Classes	Algorithms and Complexity, Intro to Security

PROJECTS

• Web app to browse Rijksmuseum collections	<i>Flask, React</i>	<i>2017</i>
• Real-time cryptocurrency trading bot	<i>Python</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
- Cryptocurrency, Cybersecurity, Artificial Intelligence, Fitness