Noah Sutter

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Education

Georgia Institute of Technology, Atlanta, GA   Expected May 2019
- Candidate for Bachelor of Science in Computer Science
- GPA 3.8 / 4.0

Skills

Programming: Java, Python, Swift, SQL, C, JavaScript, MATLAB, XML, HTML/CSS
Communication: Communicating technical information to clients, Public Speaking, Presentations

Experience

State Farm – Strategic Resources – Data Analytics Optimization, Atlanta, GA   May – July 2017
Internship - Full Time
- Designed Map Reduce code that was run through Hadoop Streaming to process data
- Researched, stood up, and maintained data assets in Hadoop for business partners
- Wrote python and shell scripts to transform data then check the data quality
- Ran Hive and Impala queries against the databases through PuTTY and Hue

Georgia Tech Research Institute – Defense Open Systems Division, Atlanta, GA   Jan – May 2016
Internship - Full Time - Required Department of Defense Secret Clearance
- Architected and developed a JavaScript program that converted XML data models to representative visual diagrams using force directed graphs to communicate technical data models with subject-matter experts
- Coauthored a paper on the above program that was published by the International Conference on Machine Vision
- Created and edited data models in GME under the Future Airborne Capability Environment (FACE)
- Made python scripts to manipulate XML versions of Data Models

The Karcher Group, Jackson, OH   June – Aug 2013
Intern - Part Time
- Learned the basics of back-end and front-end web development from different project managers
- Worked with HTML, CSS, JavaScript, SQL, and responsive web design

Projects

Danger Zones, iOS – Swift   June 2017
- A navigation app that determines a safe route and notifies users when approaching dangerous portions of road
- Provides custom turn by turn directions along the safest of several routes obtained with Apple's MapKit
- Identifies dangerous sections of road by running the DBSCAN clustering algorithm on government crash data

Water You Drinking?, iOS – Swift   Jan 2017
- A cross platform crowd sourcing app that helps users report on, and locate, safe drinking water nearby
- Enables different reporting abilities based on the type of user
- Built with a firebase backend that keeps track of water purity reports and authenticates users
- Displays sources of water on a local map using Google Map's SDK

Leadership

Peer Leader (RA for freshmen)   Aug 2016 – Present
- Facilitate the transition of residents from high school to college so they succeed both academically and socially
- Assume duty responsibilities regularly, dealing with situations that arise such as lockouts or medical emergencies

Hall Council Advisor for Glenn Hall   Aug 2016 – Present
- Guide the hall council with advice about hall council meetings, events, and policies
- Meet with hall council officers on an individual basis to ensure they are effective in their positions

Social Chair in Glenn Hall for RHA – Social Chair of the Year   Aug 2015 – May 2016
- Put on social events, coordinated with other social chairs, and communicated events and activities to 300 residents