

# 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 3.88 / 4.00

## Skills

**Programming:** Java, Python, Swift, SQL, C#, C, JavaScript, MATLAB, XML, JSON

**Communication:** Communicating technical information to clients, Public Speaking, Presentations

## Experience

**Microsoft–Engineering Productivity, Integration, and Continuous Delivery** Atlanta, GA

May 2018 – Present

**Internship - Full Time**

- Designed a Visual Studio Team Services (VSTS) Extension that hooked into the Build and Release Step
- Implemented a Build Task for VSTS that issues a warning for operations that lack a documented latency contract
- Built a .NET library that reads OpenApi(Swagger) documents to find missing and defined latency contracts

**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

## Projects

**Invention Studio App**, iOS – Swift, Android – Java

August 2017 – May 2018

- Provides information about the equipment such as status (up, down, in use) and supported file types
- Allows users to see their position in a particular queue as well as the sizes of other queues
- Integrates with Georgia Tech's lab management software to get equipment and queue information
- Sends users push notifications through firebase when they are up next in an equipment's queue
- Supports Prototyping Instructors through equipment issue reports and Invention Studio feedback forms

**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

## 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