

Andrew Sosa

Software Engineer/Data Engineer

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andrewsosa.dev

github.com/andrewsosa

Education

M.S. in Computer Science @ Florida State University

Aug 2016 - May 2018 // Tallahassee, FL

B.S. in Computer Science @ Florida State University

May 2017 - Mar 2018 // Tallahassee, FL

Relevant Experience

Team Lead, Scrum Master @ L3Harris Technologies

Aug 2019 - Present // Melbourne, FL

- Direct team tasking, select technologies, manage deadlines, and set expectations for customers.
- Elevated from previous project role as architect (see below).

Full Stack Web Engineer @ L3Harris Technologies

Sep 2019 - Present // Melbourne, FL

- Led refactor of jQuery prototype into React webapp with Django backend.
- Key contributor in milestone planning (all deadlines met 10% ahead of schedule to date).

Data/DataOps Engineer @ L3Harris Technologies

May 2018 - Present // Melbourne, FL

- Designed/implemented batch ETL from Oracle EBS to HDFS/Hive via Sqoop, PySpark, Airflow.
- Designed/implemented real-time streaming pipeline of factory floor machine logs to MongoDB via Node.js and Python microservices with RabbitMQ.
- Implemented ELT pipeline with PySpark on Hadoop Data Platform to compute Harris-wide engineering metrics (7 disciplines, all 3 segments) for executive consumption via Tableau.
- Researched and trained teammates on automating pipeline via Spotify's Luigi framework.

Teaching Assistant @ Florida State University

Aug 2016 - May 2018 // Tallahassee, FL

- Led classes, assisted students, evaluated projects, and graded coursework.

Software Intern @ State Farm

May 2016 - Aug 2016 // Atlanta, GA

- Prototyped credit card scanner module for Pocket Agent Android app.
- Invented, designed, and implemented internal Android & iOS app.

Skills

Programming Languages

Python, Javascript (ES6), HTML, CSS/Sass, Java, C/C++

Libraries & Frameworks

Airflow, Luigi, PySpark, Django, Flask, React, Express

Tools & Platforms

Git, Docker, HDFS, Hive, Sqoop, Nginx, Dremio, MongoDB, PostgreSQL, Redis

Community

HackFSU

Software Director (2018)

FSU ACM

President (2016 - 2017)

Secretary (2014 - 2016)

Projects

Contest-Server

User & Team registrations system for FSU ACM semi-annual programming contest. Flask web app, 1000+ users annually, 6th year in production.

Github Trends

Github repo interaction visualizer (npm trends.com but for Github). Built with React, Node.js, Google BigQuery. Decommissioned due to costs.

noles.dev

Phonebook of FSU Alumni Github profiles. React w/ AWS Lambda & MongoDB backend, Github OAuth sign-in.