


Andrew Tran

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Education

Iowa State University Ames, Iowa
Bachelor of Science in Software Engineering
Fall 2016 - Spring 2020 GPA 3.88/4.00

Work Experience

Cerner Corporation Kansas City, Missouri
Software Engineer I
July 2020 - Present

- Support and develop clinical inventory management (supply chain) applications.

Cerner Corporation Kansas City, Missouri
Software Intern
May 2019 - August 2019

- Implemented and unit tested part of a web service for message routing using Java.

Iowa State University Ames, Iowa
Electronics and Technology Group Assistant
November 2018 - May 2020

- ETG is the Computer/Electric/Software Engineering's resource for classes, research, and labs.
- Provided equipment and guidance for classes.
- Managed and rebuilt department computers and equipment.
- Managed and recruited for the lab monitoring team.

Projects

aCOUPLEfarms

- Web application to manage a chicken coop (or a couple).
 - Users are able to join or create new organizations (ex. farm) with different facilities (ex. coops) to store and view information.
- React (Material UI components)
→ Axios
→ Spring Boot
→ Postgres/h2

SprintHub

- Web application created during Shiplt (Cerner hackathon).
 - Integrates Jira with story pointing.
 - Users are able to host or join a session to view, discuss, and estimate the team's stories/tasks in the same application.
- React (Material UI components)
→ Express/Axios
→ Firebase (Realtime Database)

Economic Home Security System

- Web application focused on being an affordable home security solution.
 - Reduces e-waste by turning cell phones into security cameras.
- React
→ Django
→ Djoser/SimpleJWT
→ TensorFlow
→ MySQL

That Card

- Application to help users decide which credit card to use to maximize rewards.
- Project is in the idea/design phase.

Technical Skills

Languages With Most Experience:

- Java
- SQL

Languages With Some Experience:

- Javascript
- HTML/CSS

Languages I've Used:

- CCL (Cerner Command Language)
- C
- C#
- Python

Tools/Technologies I've Used:

- Android
- Django
- Docker
- Git
- Hadoop
- JBehave
- Jira
- JUnit
- MapReduce
- Maven
- Oracle Database
- Postgres
- React
- Spring

Summary

I enjoy gaining domain and technical knowledge to solve problems. At Cerner, I've worked on a project that prints shelf labels for clinical items, helped build out a new application to search for and manage inventory items, and worked on defects and client tickets that improve user experience.

From learning technical skills like debugging and unit/integration tests to domain knowledge like drug NDCs, barcodes, and EDI, I am excited to keep learning and solve problems.