

Jack Ceverha

Programmer, Problem Solver, and Proud Texan

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EDUCATION

University of Texas at Austin *Computer Science and Plan II*

August 2014 - Fall 2018

Turing Scholar

Plan II Honors

Dedman Distinguished Scholar

WORK EXPERIENCE

E&J Gallo Winery, CA *Programmer Analyst Intern, Innovation*

May 2017 - August 2017

- I designed and implemented the **AWS** backend and **Ionic/Angular** cross-platform mobile frontend for a large scale location tracking system for the winery's large and expensive point-of-sale displays. The application used BLE proximity beacon technology following the **iBeacon** standard. It is **currently deployed across the country to thousands** of users' devices.
- I created a reusable API for **facial identification** using the new **AWS Rekognition** service. I also applied this API in order to explore a few proof-of-concept applications for this technology to fulfill various winery needs, including a portable system with a **Raspberry PI**.

Tasqr Technologies Inc., TX *Software Engineering Intern*

May 2016 - August 2016

- I designed and implemented new features from the ground up for a successful DevOps product. These included data model and server side additions to the **Firestore** and **Golang** backend as well as consumer-facing UI extensions in the **AngularJS/Bootstrap** frontend. These are now **in production**.
- I was part of a small startup team with daily scrum meetings.

SAMPLE PROJECTS

Shiraz - Generating Poetry Based on Narrative Schemas

- This was an extension of a 2016 RNN-based poetry generation system from USC, combining the pre-existing system with the concepts of narrative chains and schemas evaluated using Amazon Mechanical Turk. (write-up on personal website)

LIDAR-based Autonomous Car Controller using PID

AREAS OF EXPERTISE

Full Stack Web Development

Natural Language Processing

High-Speed Application
Prototyping

TECHNOLOGIES

Web Stack

Node

Angular/Ionic

JQuery

Client-side JS

HTML/CSS

Bootstrap

AWS

Lambda

API Gateway

RDS

Rekognition

Golang

Git

Java

Python

TensorFlow

CS COURSEWORK

Graduate Level

NLP

Structured Models for NLP

Undergraduate Level

Computer Vision

Data Structures

Information Retrieval

Operating Systems

Algorithms