

# DANIEL VU DAO

[danielvudao@utexas.edu](mailto:danielvudao@utexas.edu) - [linkedin.com/in/danielvudao](https://www.linkedin.com/in/danielvudao) - [danielvudao.me](https://danielvudao.me) - [github.com/danielvudao](https://github.com/danielvudao)

## EDUCATION

**The University of Texas at Austin**

Bachelor of Science, Computer Science

May 2016

## TECHNICAL SKILLS

**Proficient in** Java, Javascript, Python, SQL (PostgreSQL/MySQL/Oracle)

**Comfortable with** Linux, Git, noSQL, Flask, NodeJS, Express, Ruby, Rails, SparkSQL, Hive, Hadoop, Spark, Elasticsearch, AWS Redshift, ReactJS/Redux

**Exposure to** C, Jenkins, Groovy DSL, Scala, Django, HTML/CSS, LESS, Bash

## WORK EXPERIENCE

**Munchery - Software Engineer; San Francisco, CA**

July 2017 - March

2018

*Software Engineer at a food-based startup with a focus on backend APIs and infrastructure*

- Worked on a remote team of two other engineers located in Europe to architect, develop, and migrate the old menu frontend from AngularJS to React/Redux coupled with Webpack
- Utilized Ruby on Rails to write numerous features, such as workers, specs with RSpec, and APIs for numerous platforms
- Optimized Rake task for faster dev time which synchronizes production data to local dev's databases
- Maintained and fixed bugs for a feature to allow company to release food products to the east coast with two other devs
- Wrote Groovy DSL to help improve some of the slowdowns in Jenkins CI, such as merging down from prod to dev when hotfixing

**Civitas Learning - Software Engineer; Austin, TX**

June 2016 - July 2017

*Software Engineer on two flagship products known as Illume Courses / Students aimed at increasing student persistence*

- Implemented product features such as user tracking, adding filter count logic, and surfacing data from Redshift clusters for the app to consume using numerous technologies such as SparkSQL, Scala, NodeJS, Express, PostgreSQL, AWS Redshift, etc.
- Debugged a wide variety of production issues, ranging from database problems such as invalid mappings and unsanitized data to server side issues, such as gateway timeouts
- Assisted with making partner data within filters non mutually-exclusive, resulting in \$1> million ARR
- Implemented dynamic filters for a specific category, allowing partners to see approved raw data and speed up product deployment / data validation by roughly 2 - 3 weeks
- Refactored database schema, allowing users to see datasets outside of a time constricted window, resulting in a large ARR increase for the company and less production issues along with more development time for other engineers
- Gave guest lectures at The University of Texas at Austin to aid recruiting efforts, resulting in a new hire and company exposure

**The University of Texas at Austin - Undergraduate TA; Austin, TX**

January 2016 - May 2016

*Undergraduate Teaching Assistant for CS327E Elements of Databases*

- Held office hours, developed / graded exams, and graded the final class project with a professor and another teaching assistant

**DirectTV - Software Engineering Intern; Los Angeles, CA**

May 2015 - August 2015

*Engineering intern on the Auth Services team working to create a microservice for authentication*

- Extracted authentication out of a monolithic codebase and reimplement a microservice in NodeJS to be use as an internal authentication tool, along with adding extra Java endpoints to be communicated with
- Interfaced with existing AES/RSA APIs to handle authentication in NodeJS
- Wrote integration and unit tests, along with bash scripts to handle deployment of said microservice

**Rougemark - Software Engineering Intern; Austin, TX**

August 2014 - Fall 2014

*Engineering intern on the backend team who was responsible for data management / cleansing via CMS integration*

- Integrated a content management system into the Django application models to use for client-side admin data cleansing
- Used BeautifulSoup to prototype a small working example for cleansing XML data feeds from partners

## SOFTWARE PROJECTS

**ETL Ideas** - A project repository dedicated to toying around with various ETL ideas and exploring Kafka, Zookeeper, and handling data

**StockBriefs** - A web application aimed towards informing users about when to buy stocks using Naive Bayes and neural networks

**Scenic View** - A mobile application with a focus on taking the most scenic routes given a start and end location

**Facebook Bot** - A cron job run daily to scrape through the university's auction page and notify subscribers about Macbook sales

## VOLUNTEER EXPERIENCE

**TEALS - Teaching Assistant; Austin, TX**

September 2016 - May 2017

*Volunteer at Austin Achieve Public High School who worked with a teacher and other volunteers to foster a CS curriculum*

- Graded exams, held lectures, and created class materials for high school students involved in the Computer Science curriculum