

Julian Davis

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EDUCATION

Cal Poly State University

San Luis Obispo, CA

Graduated: June 2021

B.S. Computer Science

Minor: Data Science

GPA: 3.67/4.00

CERTIFICATIONS

AWS Cloud Practitioner

Amazon Web Services

AWS Machine Learning – Specialty

Amazon Web Services

SKILLS

Programming

Python • Java • R • SQL • C/C++

JavaScript/Typescript • Scala

Bash • ARM Assembly Language

Cloud ML

Amazon Sagemaker • Google Vertex AI

Microsoft Azure ML

Data Science

Apache Spark • NumPy • TensorFlow

Keras • pandas • scikit-learn • ggplot2

Web Development

Django • SpringBoot • React • Angular

HTML • CSS • Node.js • Bootstrap

Databases

MySQL • PostgreSQL • YugabyteDB

Tools/Technologies

Git/GitHub • Linux • AWS • Docker

TEACHING ASSISTANT

Statistical Methods for Engineers
(Fall '21)

Statistical Methods for Business
(Winter '21)

HONORS

Cum Laude | Cal Poly SLO

President's List (x1) | Cal Poly SLO

Dean's List (x8) | Cal Poly SLO

INDUSTRY EXPERIENCE

Deloitte

Jan. 2022 – Present

Software Engineer Analyst

SmartApps Project

- Collaborated within a hybrid pod on a movie platform product to showcase the SmartApps framework, leading the ML/MLOps efforts for a new model that drastically enhanced the relevancy of the recommendations.
- Developed end-to-end pipelines on each of the three major cloud providers (AWS, GCP, and Azure) to serve a real-time endpoint for making user personalized movie recommendations.

Bootcamp

- Completed an 8-week intensive internal bootcamp, accruing full-stack web development experience in React, Angular, SpringBoot, and Django.
- Culminated the bootcamp, contributing as the lead backend dev on a scrum team, to create a job portal website catered towards blue-collar workers.

Firm Initiatives

- Administered planning and execution of the bootcamp for the July class of Software Engineer Analysts. Systematized the process for future iterations.
- Contributed to recruiting efforts for UCI, UCLA, and Cal Poly SLO.

Bigspark

Jun. 2021 – Sep. 2021

Software Engineer Intern

- Developed the backend for a web application that automates data clean-up using Amazon's Deequ library to generate and apply rules to tabular data.
- Leveraged Java SpringBoot, Scala, Amazon S3, and YugabyteDB.

RESEARCH EXPERIENCE

National Science Foundation | Cal Poly SLO

Aug. 2020 – Jun. 2021

Data Science Fellow

- Developed a machine learning pipeline that performs certain counting and identification tasks using convolutional neural networks on elephant seal drone data taken over the San Simeon area.
- Achieved up to 90% accuracy on the task of seal recognition.

PROJECTS

Heavenly Cielito | Glamping Reservation Website – [LINK](#)

Sep. 2021

- Created a website to handle reservations for my family's glamping business near Joshua Tree National Park, enabling independence from Airbnb.
- Leveraged WordPress for development, Instagram/Google/FB for marketing.

IBU Prediction | ML Competition – [LINK](#)

Feb. 2020

- Ranked 3rd out of 38 teams on a ML competition to predict the IBU of beer
- Performed data cleaning, feature engineering, model research, cross-fold validation, and hyper-parameter turning to find a highly accurate model.