Julian Davis

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EDUCATION

California Polytechnic State University, San Luis Obispo   Sept. 2017 – June 2021

B.S. Computer Science | Minor: Data Science | Cum Laude (GPA: 3.67)

INDUSTRY EXPERIENCE

Deloitte   Jan. 2022 – Present

Software Engineer I

Google POC [GenAI | Full Stack]

- Collaborated within a hybrid pod on a POC for Google to demonstrate the future of enterprise search powered by Generative AI. Engaged seamlessly across GenAI, backend, and frontend efforts: harnessed Google's Vertex AI and PaLM APIs to achieve targeted outcomes, developed API endpoints using Django, and resolved numerous bugs using ReactJS.

ClearCarbon [Backend]

- Collaborated within a hybrid pod on a sustainability initiative called ClearCarbon, a digital asset to accelerate capture from carbon abatement. Developed the APIs for ~35% of the screens in our MVP – handling data intake and visualization. Used SpringBoot, PostgreSQL, and Cloud Spanner.

SmartApps [ML | MLOps]

- 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 to serve a live endpoint for making user personalized movie recommendations.

Leadership

- Administered successful execution of the July/Oct classes of the bootcamp. Systematized the process for future iterations.
- Leading a content creation initiative to create hands-on technical assignments, an effort to seamlessly upskill SWE practitioners.

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. Used Java, SpringBoot, Scala, Amazon S3, and YugabyteDB.

PROJECT EXPERIENCE

National Science Foundation | Senior Research Project   Aug. 2020 – Jun. 2021

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

Heavenly Cielito | Glamping Reservation Website – [LINK]   Aug. 2021 – Nov. 2021

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

IBU Prediction | ML Competition – [LINK]   Jan. 2022 – Feb. 2022

- 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.

SKILLS

Languages	Python	Java	R	SQL	C/C++	Scala	JavaScript	TypeScript	HTML/CSS	Bash
Full Stack Dev	Django	SpringBoot	React	Angular	MySQL	PostgreSQL
Certifications	AWS Certified Developer Associate [LINK]	AWS Certified Machine Learning Specialty [LINK]