JULIAN SANKER

Sophomore at Yale studying Computer Science. I run, read, and code for fun. Interested in full-stack web dev to make a difference and bio-inspired computing to study nature.

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—————————— **EDUCATION** ——————————

Yale University, New Haven, CT — *B.S., Computer Science & Economics*
Expected May 2025, GPA: 3.7

Yale Computer Society; Frontend Engineer, Yale Entrepreneurial Society; Y-Hack. Relevant courses: Multivariable Calculus, Data Structures, 21st Century Computer Music, Artificial Intelligence, Systems Programming & Computer Organization, Computational Vision, Phylogenetic Biology.

Haas Hall Academy, Fayetteville, AR — *High School Diploma*
August 2017 - May 2021

ACT: 36. Student intern, revamped charter school admissions lottery software to comply with state requirements. Supervised annual lottery process with school administration and state officials. Built desktop app to pre-process & validate ~1,000 applicants, incorporating administration's feedback.

—————————— **EXPERIENCE** ——————————

MDB Capital Holdings, Dallas, TX – Boutique IP investment bank — *Analyst Intern*
June 2021 - October 2021

Analyzed IP landscape of 1,000's of patents to isolate 225 most relevant in preparation for IPO of cell-free synthetic biology startup Invizyne. Took initiative to conduct tech modernization project by creating new platform that interfaces with proprietary PatentVest database to serve team of ~20 analysts. Improves analyst efficiency by ~65% and accuracy of IP landscape analysis by ~40%; includes easy import/export, relevance-marking, and automated assignee cleansing of >40,000 patents. Spoke about intern program at annual Public Ventures conference of ~300 investors, researchers, and executives.

SupplyPike, Fayetteville, AR – Supply chain SaaS company — *Software Engineering Intern*
January 2017 - May 2021

Built moving database that incorporates into machine learning models to improve clients' sales performance by ~25% by correlating U.S. NCEI Climate weather events from ~15,000 stations with >4,700 Walmart stores. Cross-referenced with Walmart Retail Link to identify "sister stores." Consolidated 4 major U.S. retailers' product data to single-version-of-the-truth catalog.

—————————— **PROJECTS** ——————————

Crime Map — *Web App*
Up-to-date map of Fayetteville, AR's 911 dispatch logs, categorized by severity to help residents avoid danger.

TeenDevConf — *Nonprofit*
Share the fun side of coding; raised funds for high school students to attend Nowhere Developers Conference.

MyNEAT — *Research*
Implemented genetic algorithm to evolve neural networks in Python. Open-ended process could create truly intelligent AI?

—————————— **AWARDS** ——————————

U.S. Congressional App Challenge Winner AR-3, 2019
1st Place, J.B. Hunt Fall Hackathon, John Brown University, 2019
2nd Place, Arkansas Governor's All-State Programming Competition, UArk, 2020
U.S. Presidential Scholars Semifinalist, Department of Education, 2021
1st Place, JBU Programming Competition, John Brown University, 2019 & 2020

—————————— **SKILLS** ——————————

Programming Languages: Python, JavaScript, TypeScript, C/C++, Java, PHP, HTML/CSS, SQL
Frameworks: React, Flask, Keras, Matplotlib, NumPy
Developer Tools/Services: Docker, Git, MongoDB, Excel