

JORDAN SANZ

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EDUCATION

Dartmouth College, Hanover, NH

GPA 3.76 / 4.0

Bachelor of Arts in Computer Science and Quantitative Social Science (High Honors)

Key Coursework: *Full-Stack Web Development, Software Design, Algorithms, Machine Learning, Linear Models*

Awards: *Cum Laude, Academic Excellence Citations in Full-Stack Web Development, Object-Oriented Programming, Senior Design and Implementation Project I & II, AR/VR Development, National Merit Scholar (High School)*

TECHNICAL COMPETENCIES

Languages/Technologies: TypeScript, JavaScript, React, Python, Node.js, Vite, AWS, Stencil.js, Express.js, HTML/CSS

Skills: Web Development, Web Components, Software Architecture, Artificial Intelligence, Machine Learning, Agile/Scrum

RELEVANT WORK

Esri, Washington, DC

Jul. 2022 – Present

Full-Stack Software Engineer II (Sept. 2023 - Present), ArcGIS Hub

- Develop React/TypeScript metric-sharing sub-platform, empowering users to aggregate data from dynamic sources, leading to an 83% adoption rate increase over the first month
- Optimized rendering logic of React/TypeScript form editor subsystem, reducing page load wait times by 60%
- Revamped front-end interviewing questions and currently conduct most coding interviews, improving hiring quality
- Spearhead AI assistant research directly with CTO using Python/React, launching a public beta with the DC Government and gaining media coverage in outlets like govtech.com

Full-Stack Software Engineer I (Jul. 2022 - Sept. 2023), ArcGIS Hub

- Developed custom TypeScript plugins for Google Analytics, Adobe Analytics, and SiteImprove Analytics, enhancing high-profile customer retention and leading to plugin reuse within other Esri products
- Architected TypeScript statistics card utilized by thousands of clients and governments with millions of page views, saving development time through component reusability
- Led a 7-member technical thread as Scrum Master, achieving a 90% sprint success rate over 12 months, up from 30%

Visa, Austin, TX

Jun. 2021 – Sep. 2021

Full-Stack Software Developer Intern, Digital Developer Platform Team

- Planned and built notification service for case management platform with a React/TypeScript front-end and Spring back-end
- Implemented 17 notification use cases, as well as the notification UI, SQL database construction, and REST API queries
- Provided regular input on design and code structure in Agile environment through weekly meetings

DALI Lab, Hanover, NH

Jan. 2021 – Jun. 2021, Sep. 2021 - Dec. 2021

Full-Stack Software Developer

- Constructed React Native UI front-end enabling users to upload and vote on images in 10-second real-time competitions
- Integrated AWS S3 buckets into MongoDB/Express backend for performance-enhanced image storage, upload and access
- Collaborated directly with client, working in fast-prototyping Agile environment to expedite market-readiness

UBDI, Pasadena, CA

Aug. 2020 – Nov. 2020

React.js Web Development Intern

- Developed front-end of web app portal with React.js/GraphQL that allows users to monetize their data
- Designed React.js components to visualize user data through graphics made with SCSS and Tableau

HACKATHONS AND PROJECTS

Warbler – *Gamified music education platform – Lead Full-Stack Developer*

Aug. 2020 – Sep. 2022

- Coded React web app for early-stage startup featuring gamified music education exercises like pitch and rhythm detection
- Led team of 5, ideating feature specs around music gamification and managing Agile design and development cycle

Giftn – *COVID-19 holiday shopping web app – Front-End Developer*

Dec. 2020

- Won Best Overall at the MLH Winter Hacklympics Hackathon and Best Financial Hack at the HackUMass Hackathon
- In 36 hours, planned and implemented React UI & Firestore back-end managing budgets, wish lists, and package tracking

EcoConscious Tech – *Web app tracking users' green website usage – Front-End Developer*

Nov. 2020

- Won 2nd Best Hack and Wolfram Prize at the Duke University Hackathon out of 498 participants
- In 30 hours, imagined and developed frontend that tracks and visualizes user sustainability metrics with React and Redux

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SmartVote – *Dynamic local elections guide & policy-matching web app* – Full-Stack Developer

Oct. 2020

- Won Best Overall and IBM API prizes at the IvyHacks Ivy League Hackathon out of 671 participants
- In 36 hours, built React app to find users' local election candidates & compare user and candidate morals with IBM Watson

VOLUNTEERING, PUBLICATIONS, AND OTHER EXPERIENCE

Lasagna Love: *Lead Volunteer Software Engineer for international non-profit food-sharing organization* **Aug. 2023 – Aug. 2024**

[“From measures to action: can integrating quality measures...”](#), *BMJ Health & Care Informatics* **Jun. 30, 2023**

“Improving music education using biofeedback-based cognitive tutoring”, *Senior High Honors Thesis* **Jun. 2022**

Dartmouth College: *Teaching Assistant: Web Programming Fundamentals; Full-Stack Web Development* **Jun. 2020 – Jun. 2022**

Dartmouth College, Dept. of Computer Science: *Research Assistant analyzing healthcare statistics* **Jun. 2020 – Jun. 2022**

Sigma Nu Fraternity: *President (Mar. 2021 – Present); Rush Chair; Judicial Board Head (2020 – 2021)* **Sep. 2019 – Jun. 2022**