

KAUSTUBH SONAWANE

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EDUCATION

The University of Texas at Austin Bachelor of Computer Science, Computer Science Honors May 2025
Bachelor of Business Administration, Canfield Business Honors Program GPA: 3.95

- **Coursework:** Data Structures & Algorithms, Operating Systems, Computer Architecture, Statistics & Data Science, Multivariable Calculus
- **Activities:** Texas Product Engineering Organization (TPEO), Computer Science & Business Association (CSBA), Noteworthy A Cappella

EXPERIENCE

Federal Reserve Bank - National IT Intern June 2023 – August 2023
National bank of the United States managing cash flow across 12 districts and 10,000+ financial institutions

- Coordinated the migration of the End User Services team resources to the Azure Cloud through a proof-of-concept cloud architecture
- Restructured the dataflow of multiple server datacenters linked to systemwide endpoints to reduce hardware operational costs by 70%
- Enhanced the data analytics capabilities for systems tracking of 5000+ devices using Tableau, Power BI, and Visual Basic

Wager Inc - Chief Technical Officer and Cofounder October 2022 - Present
Startup developing a Web3 peer-to-peer social betting platform for any event

- Designed and coded the bet-making capabilities and user flow for the Wager app using Solidity, React, AWS, web3.js, and Node.js
- Built a cross-platform cloud-centric backend for a one-click betting experience from a mobile and web application
- Invited to the Solana Breakpoint Conference in Lisbon, Portugal and the Consensus Demo Day in Austin, TX to present to industry leaders

ListenIn - Chief Technical Officer August 2020 – July 2022
Startup launching an AI-based hearing aid to solve the Cocktail Party Problem (separation of audio streams using brainwave data)

- Invented a cost-effective alternative hearing aid to split audio streams using EEG data at a 94% accuracy via Fourier Transformation
- Designed an expansion plan for sales across Texas and a marketing strategy to survey senior patients' needs and conduct user trials
- Pitched to healthcare investors and VCs, receiving \$7000 in seed funding and international recognition from business competitions

Fiveable Inc - Product Operations Associate May 2021 – June 2022
Series A startup building a student-led educational platform for AP test preparation content and private virtual study rooms

- Enhanced project communication efficiency by 60% by overseeing a company-wide migration to a new project management platform
- Managed education company partnerships for the nationwide Summer College Program with 3000+ student participants across the US
- Collaborated with the COO and CEO to pivot the company focus from AP exam content to facilitating student discussion groups

ACADEMIC PROJECTS

OpenPulse: An Accessible Wristband for Atrial Fibrillation Detection August 2021 - May 2022

- Built an accessible real-time machine-learning wristband for arrhythmia and atrial fibrillation detection with a \$30 manufacturing cost
- Fused an Arduino circuit with a Scikit-learn SVM and ARIMA model at a 90% diagnostic and 75% predictive accuracy in a 3D printed shell

LungStat: Improving Lung Cancer Diagnostic Accuracy through Computer Vision August 2019 - December 2021

- Created and deployed a full-stack machine-learning application for locating lung cancer tumors on a 3D CT scan at a 93% accuracy
- Communicated project applications at several international conferences to researchers from MIT, Vanderbilt, and UCLA
- Published a 10-page research paper to JMEI Conference Proceedings and awarded by INSPOScience and GENIUS Olympiad

LEADERSHIP EXPERIENCE AND ACTIVITIES

Texas Product Engineering Organization (TPEO) - Product Management Lead August 2022 - Present
Premiere University of Texas student organization contracting projects from local Austin businesses and nonprofit organizations

- Completed a 10-week product management course covering design-thinking, product execution, metric analysis, & user testing
- Led a team of designers and engineers as a PM over 14 weeks to develop an apartment rating web application for UT students

TutorScope - Co-Founder and Director March 2020 - May 2022
Nonprofit organization offering free online tutoring for students of all ages across the world

- Directed student registration, tutor signup, and session scheduling for 3000+ students across thousands of hours of tutoring
- Featured on AP News, the Washington Post, and recognized by House of Representatives as a Hometown Hero of District 3 of Texas

HONORS

• HackMIT Final Round Qualifier (12/250+ projects): *Developed a Full-stack Generative AI Educational Platform (Scribe)* September 2023
• Hack TX 1st Place Blockchain Track Project (1/120 projects): *\$7000 Grand Prize from Solana & Sponsored Trip to Lisbon* October 2022
• Diamond Challenge Startup Pitch 2nd Place Winner (2/800+ teams): *\$4000 Nondilutive funding* April 2021

ADDITIONAL INFORMATION

Technical Skills: Python, Java, C, C++, React, Node.js, Flask, R, AWS, CAD (Fusion 360), AI/ML, Solidity, Web3 Development
Interests: Software Engineering, Entrepreneurship, Blockchain, Full-Stack Development, Music Composition, Rock Climbing, Pickleball