BIG DATA BIG IMPACT

bdbi

SPONSORSHIP
P A C K A G E

ABOUT US

Since our inception in 2014, Big Data Big Impact (BDBI) has focused on providing hands-on big data education for students at Georgia Tech.

We primarily facilitate multiple year-long, student-led software projects that students collaborate on in teams of ten to fifteen, with each project objective aligned with United Nations sustainability goals. These open-source projects involve nuanced data infrastructure, machine learning models, and elegant user interfaces.

Within each project, students work in the platform, analysis, or data visualization subteams. Recent projects include wildfire risk detection, fake news detection, and solar forecasting. At the end of the academic year, we hold demos for our corporate sponsors and the greater Georgia Tech community.

Additionally, BDBI holds big data workshops for students and holds corporate tech talks and panel sessions to provide industry perspectives on big data solutions.

Through our initiatives, BDBI exposes Georgia Tech students to tangible big data education, professional development mentorship, and various opportunities via our sponsors and alumni network to amplify their impact in industry positions.

Why Choose us ?

Statistics

- 600+ Alumni Network
- 80+ active members per year
- 50+ big data projects completed
- 12-15 project members per project
- 5-6 projects per year
- 7-8 events per semester

Current & Past Sponsors

Previous Events

- Google Virtual AI Panel
- Honeywell AI Panel
- Prepping for Coding Interview Workshop with FYJump
- BDBI x Effective Altruism on Maximizing Impact
- Our semesterly Demo Days!

Why Sponsor?

 At BDBI, we are proud to support students passionate about creating impactful products and extracting insights from troves of data. Our project application process ensures a diverse, intelligent cohort of individuals, each willing to place significant time and effort into developing an exceptional technical product. We further empower our members by advancing skills in the fundamental platform, analysis, and visualization domains through custom technical workshops we develop ourselves.

By partnering with us, you will have direct access to our network of incredibly talented members via recruiting events, panel sessions, Q&As, coffee chats, advertisement channels, involvement in our semesterly demos, and more. Our thorough technical projects and workshops help our members become better engineers and ultimately will benefit your company through the social impact objectives and developer skills that students will carry forth.

Our alumni network includes bright and successful individuals making an impact across multiple firms and industries. Many of our alumni include engineers building scalable architecture for some of the largest tech firms, publishing research scientists, and even young executives building start-ups of the future.
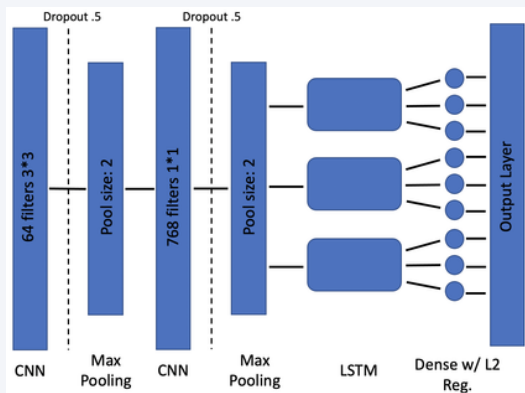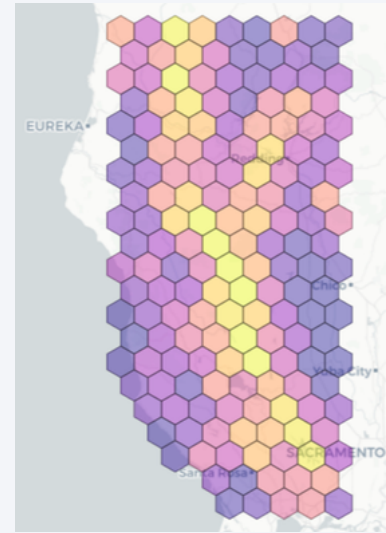
Links

 @gtbigdata

 LinkedIn

 GitHub

Project Highlights

Wildfire Detection, 2022

With 180 deaths in the past 5 years and up to 10 billion dollars in annual losses due to fires in just California, this project sought to predict wildfire probabilities across the state. Students developed a custom dataset, generated random forest and gradient-boosted decision tree models, and developed an interactive visualization of probabilities using Plotly Dash.
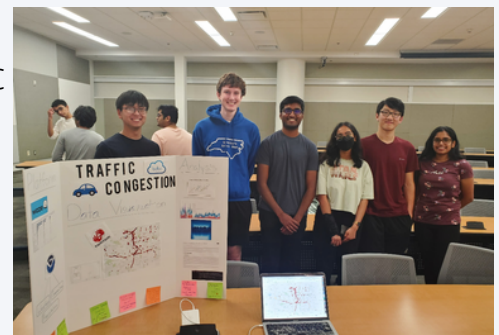

Fake News Detection, 2022

This project was concerned with identifying biases and nonfactual information in news sources. Students developed rigorous, hybrid Long Short-Term Memory & convolutional neural network models. As a final product, they created a browser extension where a user can highlight a body of text and obtain a fake-news prediction from the back-end model.

Traffic Congestion, 2022

Students in this project built a tool to predict traffic in Atlanta to assist city planners with improving road infrastructure and help drivers plan their routes. They developed a mixed-effects model from live data acquired through a partnership with Waze and shared insights on a React-based map.

Other Projects: From the past 2 years, we have had the following other projects: Regional Socioeconomic Factor Analysis, Heart Disease Detection, Solar Forecasting, Mental Health Resource Distribution, Twitter Sentiment Analysis, Mini City (BDBI collaboration with nonprofit Mini City to assist homeless individuals)

Current Projects: Cancer Detection, Flight Delay Prediction, Housing Availability Analysis, Hurricane Costs.

Tiers

All sponsorship opportunities are contingent on being a Gold CAP Sponsor with the Georgia Tech College of Computing (CoC). The BDBI tier program is based on how many events you hold with our organization. We also ask for and accept donations of any type: swag, food, cloud credits, etc.

To qualify for:
- *Gold*: Hold 1+ in-person events per year. Your presence on campus is appreciated by all members of BDBI and the Georgia Tech community!
- *Bronze*: Hold 1+ virtual events per year

Benefits	Bronze	Gold
Announcements to BDBI Members	✅	✅
Email List for Students Accepted Into Projects (Contact Info)		✅
Resumes of Students in Projects & Leadership		✅
Access to BDBI Spring Georgia Tech Conference (April 2022)		✅
Featured on website	✅	✅

*We value partnership of any capacity, so please let us know if you would have any ad-hoc requests.