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bdpataoday

Atlanta hosts BDPA’s annual Youth Technology Camp, Mobile App Showcase, I.T. Showcase, and Coding Competitions with Industry

INSIDE
Success stories from Detroit, Memphis, Rochester, St. Louis, Indianapolis, and Washington, D.C.

#BDPACon19 Atlanta, Georgia
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BDPA, formerly known as Black Data Processing Associates, was founded in Philadelphia, Pennsylvania in 1975 to promote professional growth and technical development to those in or entering information and communications technology (ICT) career fields and related industries.

Now in its 43rd year (Volume XLIII) National BDPA (NBDPA) and participating local BDPA Chapters publish daily and weekly blogs with quarterly or monthly newsletters. For bdpatoday or web banner advertising rates, publication schedules, and online calendars with Industry events, contact regional offices or local BDPA Chapters by visiting bdpa.org or bdpatoday.com.

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ATLANTA, GA—National BDPA announces this year’s winners of the National IT Showcase during BDPACon19.

College
1st Place - Anushri Walimbe (Top photo)
BDPA Chapter: Southern Minnesota
College: Senior, Winona State University
Research Topic:
FUTURE OF AUTONOMOUS VEHICLES

2nd Place – Kobe K. Wright
BDPA Chapter: Washington, DC
College: Junior, Bowie State University
Research Topic:
MACHINE LEARNING - THREE METHODS

3rd Place – Christopher Choice
BDPA Chapter: Indianapolis
College: Junior, Florida A&M University
Research Topic:
VIRTUAL REALITY

High School
1st Place - Anvita Guda (Bottom photo)
BDPA Chapter: Washington DC
High School: Senior - Thomas Jefferson High School for Science and Technology
Research Topic:
A DATA-DRIVEN WORLD: ADDRESSING DEVICE FRAGMENTATION AND ITS INFLUENCE ON USER EXPERIENCE AND GLOBAL MARKET TRENDS

2nd Place – Liliana Gordon
BDPA Chapter: Washington DC
High School: Sophomore – Northpoint High School
Research Topic:
BRIDGING THE TRUST GAP WITH BLOCKCHAIN
National Mobile App Finalists 2019

National BDPA's High School Computer Competition, (HSCC), was founded in 1986 by Dr. Jesse Bemley (right), of JEF. What started as a two-team event between BDPA-DC and BDPA Atlanta has grown to over 16 teams of various high school students from BDPA Chapters throughout the U.S., an IT Showcase, and a Mobile App Showcase.

MEMPHIS, TN — A YouthPrep Student of the Week is BDPA Student Member Joshua Moore (top photo). Joshua is a high school senior who plans to major in Computer Science.

Joshua has always been a very bright student and despite being diagnosed with Tourette’s Syndrome in the 2nd grade, he has managed to maintain a very high GPA.

In the 7th grade, Joshua was introduced to CodeCrew where he learned the basics of coding and how to build video games. He is also the Founder & CEO of the AdvertYou app, an app that helps YouTubers and small businesses grow their viewership.

Joshua was recently selected to present his app during BDPACon19, the National BDPA Conference in Atlanta, where he won first place among top high school student developers and “Jr. Devs.” Three of his top school choices are MIT, Harvey Mudd, and Rhodes College.

Marcus Kelly (bottom photo), is this year’s Mobile App Showcase winner among the nation’s top collegiate mobile app developers.

Terry Morris (left), National BDPA President and Tonji Zimmerman (right) present awards during BDPACon19. Ms. Zimmerman and Kareem Dasilva respectively spearhead National BDPA’s Student Information Technology Education and Scholarship (SITES) and Mobile App Showcase programming competitions with local BDPA Chapters.
DETROIT, MI — National BDPA’s Detroit Chapter was named 2019’s BDPA Chapter of the Year during the organization’s 41st annual National BDPA Technology Conference and Career Fair in Atlanta, Georgia.

Chartered in February of 1981, BDPA’s Detroit Chapter is an IRS non-profit 501(c) (3) technology organization comprised of professionals working in the IT industry or anyone having an interest in information technology. BDPA Detroit is a chartered member of a national technology organization with over 40 chartered BDPA Chapters nationwide.

Several community programs co-hosted or co-sponsored by BDPA Detroit (above) include high school computer competition (HSCC) programs and local professional development events with other non-profits and STEM organizations. Membership is diverse and includes IT managers, executives, consultants, entrepreneurs, project managers, developers, network engineers, programmers, web developers, instructors, interns, and students.

Discover new BDPA Chapters and related articles on bdpatoday.com. bt
ATLANTA, GA—A High School Computer Competition (HSCC) team out of the Northeast Region from National BDPA’s Greater Washington, D.C. Chapter (BDPADC.org) captured this year’s national coding and app development title during BDPACON19, the Association’s annual coding combine, 41st annual National Technology Conference, and Tech Career Expo in Atlanta, Georgia. Rounding out the Nation’s top HSCC teams for 2019 were:

- **BDPA St. Louis**
- **BDPA Southern Minnesota**

National High School Coding Competition (HSCC) finalists, IT Showcase finalists, and Youth Technology Camp (YTC) students who participated in BDPACON19 returned to school with their respective local BDPA Chapters to prepare next year’s teams for BDPACON2020.

The National BDPA’s High School Computer Competition (HSCC) was founded in 1986 by Dr. Jesse Bemley, of Washington, D.C. What started as a two-team event between Washington, D.C. and Atlanta, GA has grown to over 20 teams of various high school students from chapters throughout the nation. It was designed to introduce youth to fields of Information Technology (IT), encourage them to seek technical certifications with higher levels of education, and groom many of them to become our next generation of IT professionals.

—Source: *National BDPA*
229th Birthday Wishes from BDPA to the United States Coast Guard
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NGA launches $1.2M challenge to advance geomagnetic data collection

Springfield, VA — Headquartered in Springfield, Virginia, the National Geospatial-Intelligence Agency (NGA) is the nation’s primary source of geospatial intelligence, or GEOINT for the Department of Defense and the U.S. Intelligence Community. As a DOD combat support agency and a member of the IC, NGA provides GEOINT, in support of U.S. national security and defense, as well as disaster relief. GEOINT is the exploitation and analysis of imagery and geospatial information that describes, assesses and visually depicts physical features and geographically referenced activities on the Earth.

Last month, the National Geospatial-Intelligence Agency launched MagQuest, a $1.2 million global open innovation challenge. NGA calls upon solvers to submit novel approaches to geomagnetic data collection for the World Magnetic Model (WMM).

Earth is a large magnet, and both digital and analog compasses are oriented by the magnetic force at a user’s location. Since geographic and magnetic poles do not align, geomagnetic models like the WMM correct for this difference. As the Earth’s magnetic field is constantly changing, the difference between geographic and magnetic north also changes, and the WMM must be regularly updated.

The WMM is embedded in thousands of systems, including more than a billion smart phones for mobile navigation apps. The WMM is also critical for military and commercial uses around the world. Among other applications, it supports navigation and attitude determination for submarines, satellites, and aircraft, while also informing operational logistics like the numbering of runways. Beyond navigation, the WMM ensures precise orientation that supports applications in industries as diverse as energy and telecommunications.

MagQuest is designed to attract new ideas to increase the efficiency, reliability, and sustainability of geomagnetic data collection. With this challenge, NGA aims to inspire solvers to apply their expertise to spaceborne, aerial, terrestrial, and other potential solution areas. Solvers from small businesses, academic institutions, labs, startups, and other organizations are encouraged to enter the competition.

NGA is working with NASA’s Center of Excellence for Collaborative Innovation and Luminary Labs to produce MagQuest. It is an interactive web site for parents, teachers, and students to learn about employees, careers, and the mission of the National Geospatial-Intelligence Agency (NGA). Students watch videos, play games, and solve puzzles designed to help them learn geospatial topics such as science and geography. Visit: https://www.nga.mil/Pages/kids.aspx
41st Annual BDPA Technology Conference and Diversity Career Fair
August 1-3, 2019
Hyatt Regency  Atlanta, Georgia

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HSCC
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Contact us at info@bdpa.org

Inspiring the Future of IT
NSF Grants for HBCUs and BDPA Students Support BDPACon19 Engagements

ABSTRACT

WASHINGTON — Morehouse College is requesting funds for 30 African-American computing undergraduate students and eight computing faculty to participate in a collegiate planning workshop that will be co-located with the 41st Annual National Black Data Processing Associates (BDPA) Technology Conference & Career Fair. The workshop will be held at the Hyatt Regency Hotel during August 1-3, 2019. The workshop focuses on increasing the number of Black computing professionals at the undergraduate level.

Workshop activities will examine best practices and seek to articulate strategies for collaborating with the information technology industry to increase internships for historically underrepresented minority students pursuing computer science and information technology careers. Proceedings will be disseminated broadly to other institutions of higher education, particularly Historically Black Colleges and Universities.

This award reflects NSF’s statutory mission and has been deemed worthy of support through evaluation using the Foundation’s intellectual merit and broader impacts review criteria.
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The Microsoft brain trust: Chairman John Thompson, CEO Satya Nadella, founder Bill Gates, and former CEO Steve Ballmer.

REDMOND, WA — John W. Thompson (left and upper right inset corner), when Chairman and CEO of Symantec Corp., was Industry’s keynote speaker during National BDPA’s 2001 annual technology conference and awards gala in Chicago, IL. Today, Mr. Thompson is the Chairman of Microsoft.

Microsoft was an exhibitor in 2001 returning again this year in Atlanta, GA from August 1-3, 2019 as an exhibitor and sponsor.
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