2018 ANNUAL REPORT

IT-oLogy®
Dear Friends,

What an amazing year 2018 turned out to be for IT-oLogy. Coming off the heels of a successful State of IT report in 2017, we jumped right into growing our educational offerings to provide solutions to the challenges that the IT industry workforce faces. No longer are we simply talking about growing the IT talent pipeline in South Carolina—we are proactively educating our future and current workforce so they can develop and grow their IT skills. Our mission to attract, educate, grow and retain the IT workforce in South Carolina continues to be our daily responsibility.

In 2018, we introduced a series of CompTIA Certification courses, the Information Technology Infrastructure Library (ITIL) certification, as well as IT Soft Skills classes. We grew our relationship with school districts across the state to bring the wonders of technology into more classrooms. In addition, promoting careers in IT through our college and business relationships has led to the employment of young adults in various IT positions in our state.

None of this could be accomplished without the support of our board of directors and the support of our donors, financial and in-kind. Additionally, we are grateful for the volunteers, students, parents, educators, business leaders and industry professionals who value and participate in the work we do.

We are forever evolving and growing and it is our hope that you will continue to join us as we embrace the opportunities to grow the IT pipeline in South Carolina.

Tammy Mainwaring
President, IT-oLogy
IT-oLogy Mission and Purpose

Each year, hundreds of IT jobs in South Carolina become available, and yet remain unfulfilled. In an increasingly digital world, all industries rely on the efficient and effective use of information technology (IT). There are currently more than 6,000 vacant IT jobs in South Carolina. Alarmingly, South Carolina schools graduated only 689 computer science students in 2017. Only 19% of our schools with AP programs offer an AP Computer Science course (code.org/promote/sc). This represents millions of dollars being outsourced to other states and countries as well as salaries not realized that could significantly raise the standard of living for many of South Carolina’s citizens.

IT-oLogy’s mission is to attract, educate, grow and retain future IT talent to address the IT skills crisis that South Carolina is facing. We do this through offering innovative, interactive, high-quality programs designed for K-12 and college students, career changers, veterans and IT professionals.

IT-oLogy believes that real, systemic change begins with early childhood education continuing through IT career professional development, creating a cradle-to-career pipeline. Research confirms that in addition to technical skills, SC IT employers have a critical need for IT professionals with excellent interpersonal and communication skills. All of our programs integrate soft skills creating the “Whole IT Professional.”

IT-oLogy is committed to bringing together businesses, parents, educators and community leaders to close the IT skills gap in South Carolina.

IT-oLogy Beliefs

We believe that information technology changes the world. New advances in science, medicine, nutrition, engineering, security and education spread opportunity and hope.

We believe those who actively participate and lead in developing these advancements are the heroes of today and tomorrow.

Because information technology penetrates every industry and does not discriminate by age, gender, ethnicity, or any other factor, we believe it offers limitless career opportunities to all.

We believe in helping South Carolinians of all ages discover their unique talents in information technology equipping them with the skills to prosper in a rapidly growing global technology economy.

In the words of a great American leader, Franklin D. Roosevelt, “We cannot build the future for our youth, but we CAN build our youth for the future.”

And that’s what we do at …..
IT-oLogy Impact 2016-2018

IT-oLogy has impacted every county in South Carolina through our K-12 field trips, competitions, teacher professional development, STEM festivals, IT professional development and conferences.

93,754 Pre-K – 12 Students

10,755 Educators

3,481 Post-Graduate and College Students

9,431 Parents

55,498 IT Career Professionals and Business Leaders

172,919 Current & Future SC IT Heroes Impacted

"I just wanted to say thank you for the opportunity to share what my students are doing as part of the Innovation Challenge, and that I very much enjoyed seeing the students’ projects at all of the grade levels. We definitely have some excellent problem-solvers in the state!"

Kirstin Bullington
Innovation Challenge Teacher Award Winner
Key Facts  FY 2018

- **30,385** PreK-12 students engaged in hands-on project–based learning
- **9,765** Post-secondary students & professionals completed or participated in professional development events
- **300+** Educators trained on computer science fundamentals
- **150+** Community leaders attended The Summit on IT
- **846** Hours invested by IT-oLogy volunteers
- **18+** Interactive, project-based programs delivered
- **13** Annual and multi-year grants earned
- **52** Collaborating organizations
- **17** STEM events and festivals attended to promote IT careers
- **180** Higher ed students and professionals learned about IT careers
- **530** Students & professionals gained knowledge about IT opportunities at community organization events
- **46** SC counties served with IT-oLogy programs
- **2,006** followers
- **4,047** followers
- **2,747** followers
- **3,470** subscribers

www.IT-oLogy.org
IT-oLogy Programs

Featured Programs

Cyber Summer Camps 2018

In 2018, students across South Carolina gained IT career knowledge through IT-oLogy by experiencing Cyber Saturdays, field trips, summer camps and technology fairs.

NCWIT Aspirations 2018

Through generous donors and sponsors, IT-oLogy was able to award over $7,500 in scholarship money and prizes.

Innovation Challenge 2018
Awards and Achievements

**ApprenticeshipUSA Leader**

In partnership with the United States Department of Labor, IT-oLogy promotes apprenticeships as a tried and true workforce development strategy that have paid dividends for companies who use the program.

**Red Cross First Responder Certification**

In 2017, the entire IT-oLogy team plus all IT-oLogy interns attained First Responder certification to ensure the safety of children and adults that attend IT-oLogy’s programs and events.

**Pearson VUE Testing Center**

IT-oLogy became a certified Pearson VUE testing center in 2018, with six certified staff to serve as onsite test proctors. Pearson VUE is the leader in computer based testing. IT-oLogy is pleased to offer this service to those seeking certifications that will grow their careers and job opportunities.

**PeopleCert**

In 2018, IT-oLogy became certified to administer the ITIL certification exam through PeopleCert. PeopleCert is a global leader in the assessment and certification of professional skills, partnering with multi-national organizations and government bodies for the development and delivery of standardized exams. PeopleCert is the sole Examination Institute for the delivery of AXELOS Accreditation and Examination services worldwide.

**NICERC**

IT-oLogy offers NICERC teacher professional development training throughout the year. NICERC focuses on STEM curriculum design, computer science curriculum design, cyber curriculum design, professional development, and collaboration in K-12 education.
IT-oLogy Board of Directors

IT-oLogy is proud to have innovative leaders in the IT career field committed to building the current and future IT workforce.

STEVE WIGGINS: CHAIR
Retired executive vice president and chief information officer
BlueCross and BlueShield of South Carolina

LOLA JORDAN
President
Companion Data Services

BILL KIRKLAND
Executive Director
University of South Carolina
Office of Economic Engagement

TERRY FLOYD
Managing Partner
TM Floyd & Company

RAY BRANCATO
Senior Vice President of Global Solution Sales for DevOps
CA Technologies

SANDY SMITH
Senior Development Officer and Assistant Vice President for Internal Support within the I/S division
Blue Cross Blue Shield of South Carolina