



AIR FORCE ASSOCIATION'S
CYBERPATRIOT
NATIONAL YOUTH CYBER EDUCATION PROGRAM

ALUMNI SURVEY REPORT
2018

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SURVEY DESIGN

In June 2018, past student participants in the CyberPatriot National Youth Cyber Defense Competition were surveyed in the following areas:

1. Their demographic information
2. Their current academic enrollment status
3. Their current or prospective higher education field of study
4. The degree to which they assessed their participation in CyberPatriot as affecting their career and academic goals

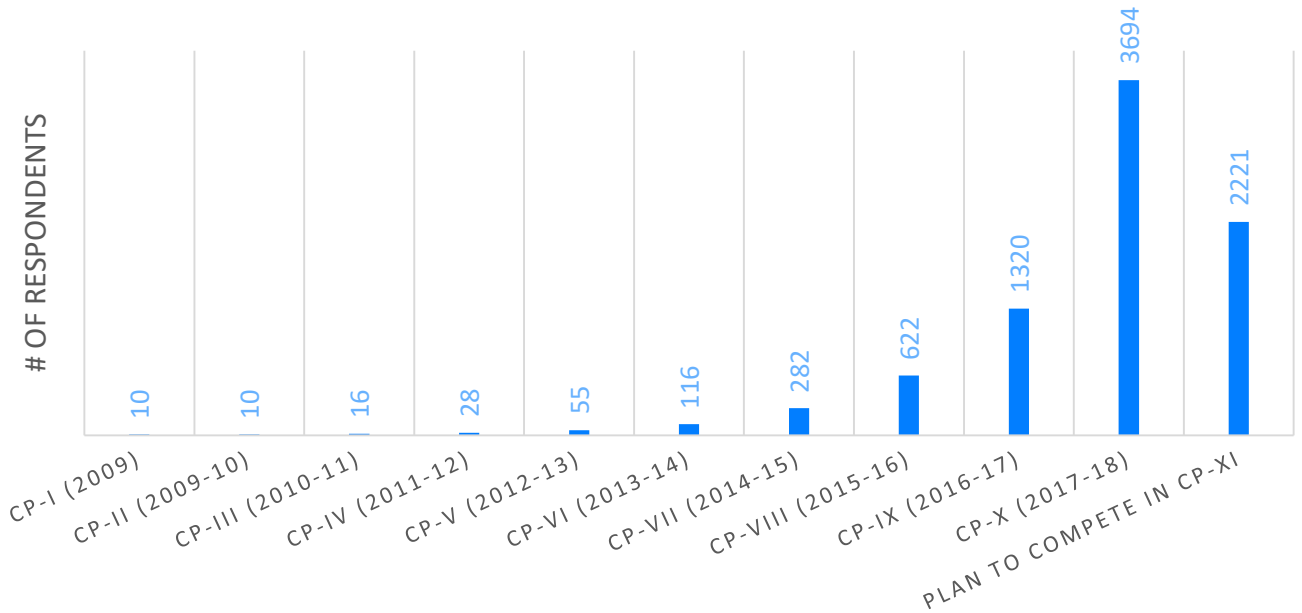
A total of 4,168 students responded to the survey (n=4,168).

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RESPONDENT DEMOGRAPHICS: SEASON(S) OF PARTICIPATION IN CYBERPATRIOT

48% of respondents indicated they will also compete in CyberPatriot XI.

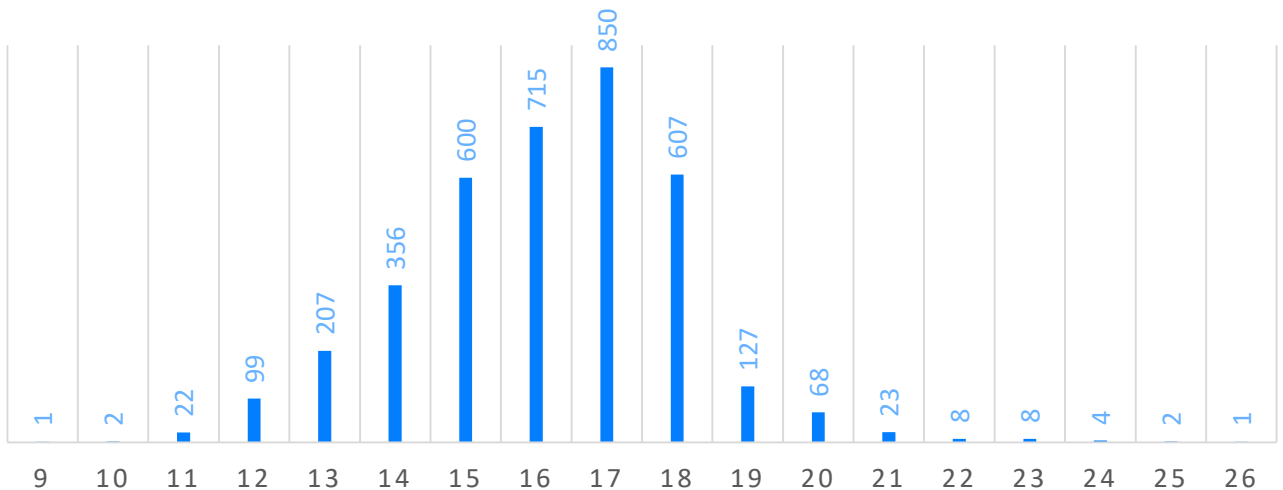
RESPONDENTS' PARTICIPATION IN CYBERPATRIOT SEASONS



RESPONDENT DEMOGRAPHICS: AGE

The majority of survey respondents were 18 years old or younger.

RESPONDENTS' AGE

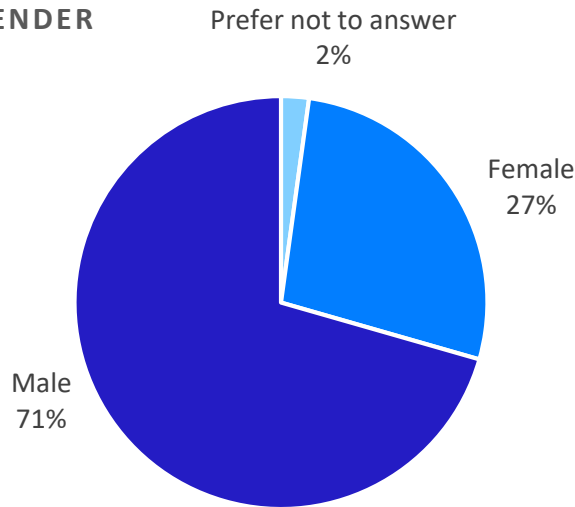


2018 COMPETITOR ALUMNI SURVEY REPORT

RESPONDENT DEMOGRAPHICS: GENDER

The majority of the 4618 survey respondents were male.

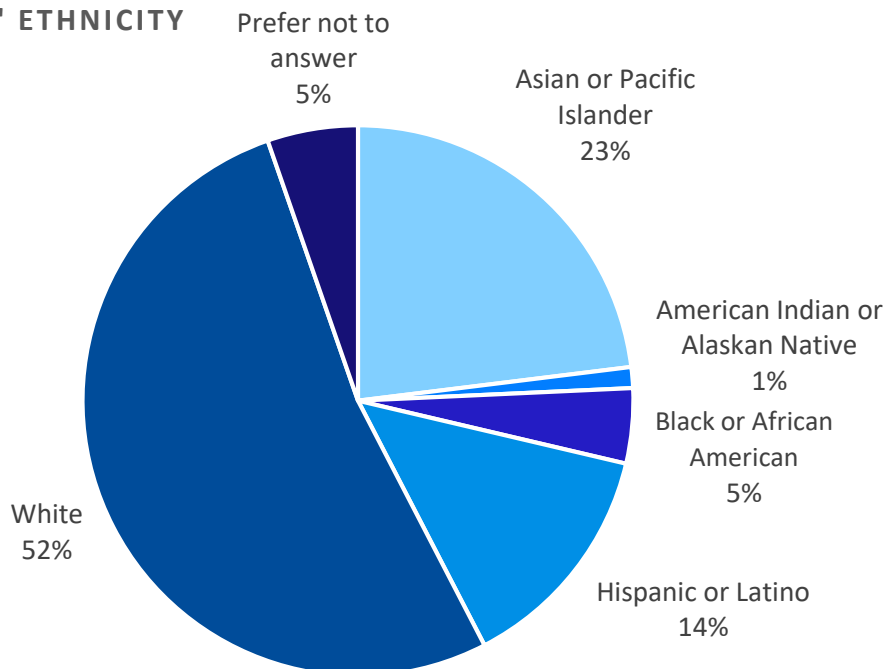
RESPONDENTS' GENDER



RESPONDENT DEMOGRAPHICS: ETHNICITY

43% of the survey respondents were of minority ethnicity.

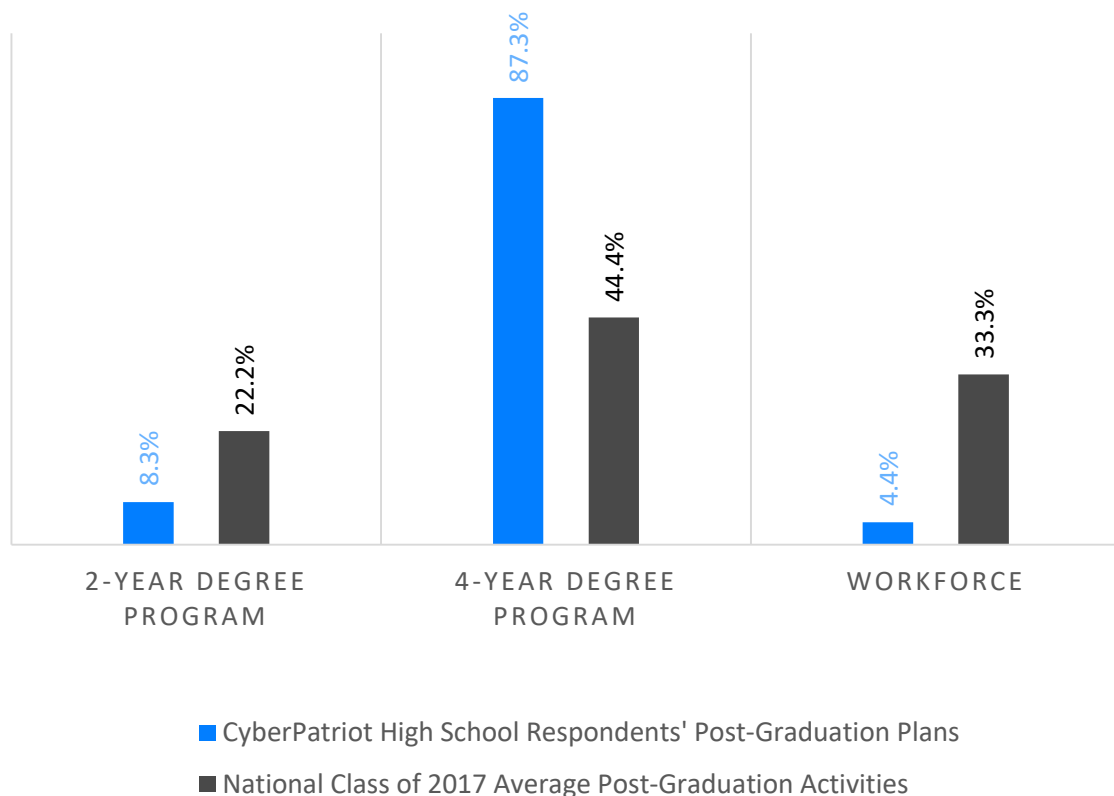
RESPONDENTS' ETHNICITY



CURRENT HIGH SCHOOL STUDENTS: POST-HIGH SCHOOL PLANS

3,396 of the 4,618 respondents were still enrolled in high school or an equivalent program at the time of the survey. 95.6% of those currently enrolled respondents indicated their intention to pursue a 4-year higher education program (87.3%) or a 2-year higher education program (8.3%) after receiving their high school diploma. By comparison, according to the Bureau of Labor Statistics¹, only 66.7% of American students who graduated high school in 2017 entered college. Additionally, of the 2017 high school graduates who entered college the following fall, only 44.4% enrolled in 4-year institutions.

POST-HIGH SCHOOL HIGHER EDUCATION ENROLLMENT RATES¹

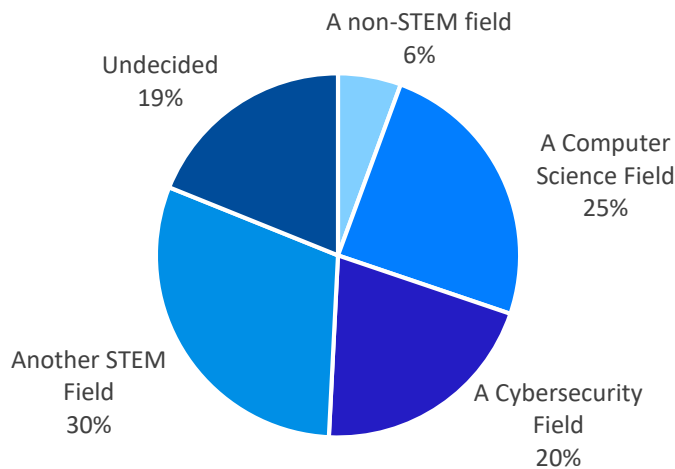


¹ U.S. Department of Labor, Bureau of Labor Statistics. "College Enrollment and Work Activity of 2017 High School Graduates," *Bureau of Labor Statistics Press Release*, April 26, 2018, <http://www.bls.gov/news.release/hsgec.nr0.htm>

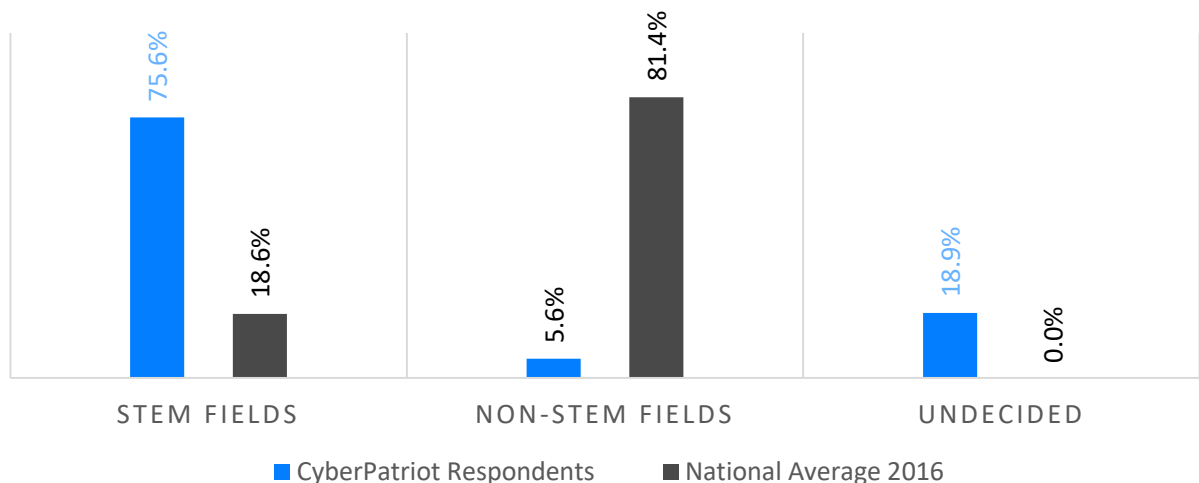
CURRENT HIGH SCHOOL STUDENTS: HIGHER EDUCATION ACADEMIC PLANS

2457 of the 3252 high school students who indicated they will pursue a 2-year or 4-year education program plan to study cybersecurity (20.6%), computer science (24.6%), or another STEM field (30.3%). The remaining 24.5% of those respondents were undecided (18.9%) or plan to study a non-stem field (5.6%). According to the most recent National Center for Education Statistics report³, computer and information sciences degrees only represented 3.6% of associate’s degrees and 3.1% of bachelor’s degrees awarded nationally in 2014-2015. Including computer and information sciences degrees, degrees in STEM fields accounted for only 7.6% of associate’s degrees and 18.6% of bachelor’s degrees conferred nationally in 2014-2015.

RESPONDENTS’ PROSPECTIVE FIELD OF HIGHER EDUCATION STUDY



BACHELOR’S & ASSOCIATE’S DEGREE FIELDS OF STUDY

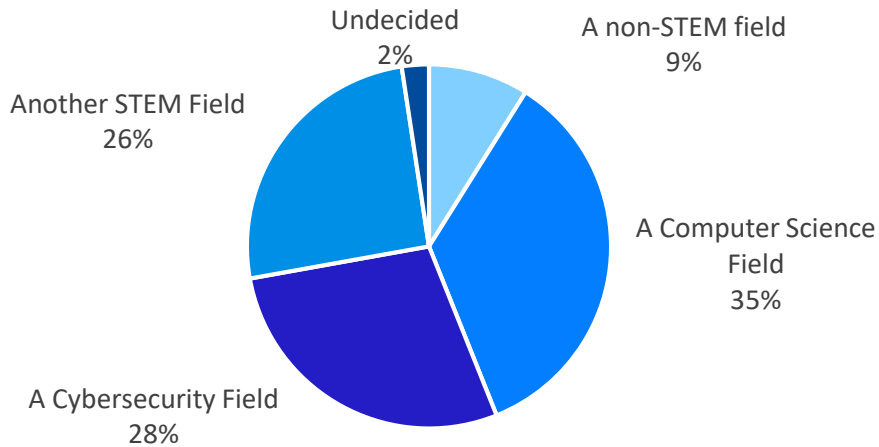


³ U.S. Department of Education, National Center for Education Statistics. “2016 Digest of Education Statistics,” 2016, <https://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2017094>, pg.551

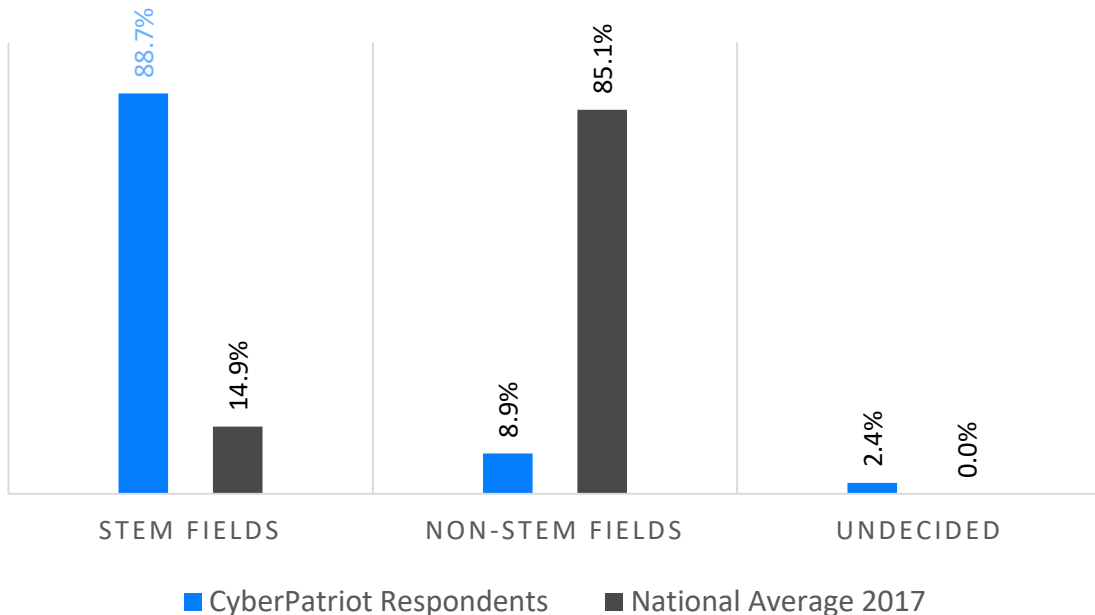
HIGH SCHOOL GRADUATES: HIGHER EDUCATION ENROLLMENT

Of the survey’s 4,618 respondents, 772 have already obtained their high school diploma, GED, or equivalent home school education. Of those graduates, 75.7% are currently pursuing a higher education degree and 5.6% have already obtained a higher education degree. A full 85.6% of the alumni respondents currently pursuing higher education degrees are doing so in a cybersecurity (28.2%), computer science (35%) or other STEM field (25.4%).

CURRENTLY ENROLLED STUDENT’S HIGHER EDUCATION FIELD OF STUDY



BACHELOR’S AND ASSOCIATE’S DEGREE AVERAGE FIELDS OF STUDY

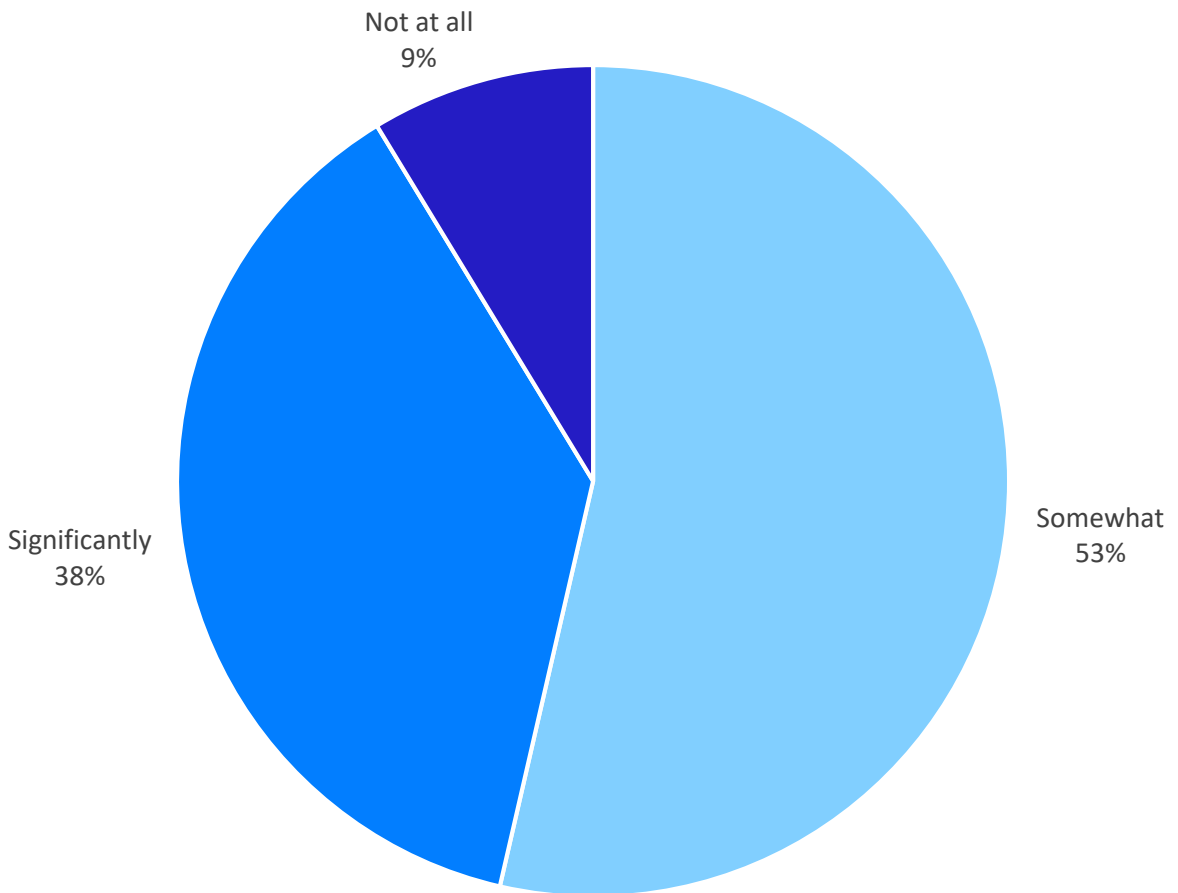


² U.S. Department of Labor, Bureau of Labor Statistics. “College Enrollment and Work Activity of 2017 High School Graduates,” *Bureau of Labor Statistics Press Release*, April 26, 2018, <http://www.bls.gov/news.release/hsgec.nr0.htm>

RESPONDENTS' PERCEPTION OF THE DEGREE TO WHICH CYBERPATRIOT IMPACTED THEIR CAREER OR EDUCATION GOALS

A full 91.3% of the survey respondents indicated that their participation in CyberPatriot somewhat (53.6%) or significantly (37.7%) impacted their career and educational goals.

DEGREE TO WHICH PARTICIPATION IN CYBERPATRIOT IMPACTED RESPONDENTS' EDUCATION AND CAREER GOALS





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