



**Dr. Albert McHenry**

**2018 STEM Scholarship  
APPLICATION INSTRUCTIONS**

**Eligible Applicant:**

Applicant must meet the following criteria to be eligible for the \$500 STEM scholarship:

1. Be a student who is nearing completion or has completed High school and aims to pursue an associate / undergraduate degree in a STEM related field
2. Achieved a minimum of a 3.5 grade average (official transcript required)
3. Have applied to, or have been accepted into, a degree program in Science, Technology, Engineering or Math at an accredited institute of higher education in U.S.
4. Complete a 700-word essay on one of the topics provided in Section 11
5. Submit a faculty letter of recommendation
6. Actively involved in one STEM related course, club or program
7. Attend all 3 days of Turn Up for STEAM 2018

Application with all supporting documents must be submitted no later than 4:00 pm, February 2, 2018.



### **Instructions to Applicant:**

1. All sections must be completed. Incomplete applications will not be considered. Please use N/A to indicate unable to answer. Leave no blanks.
2. Applications must be neatly written if hand-written or typed.
3. Applications must include the following:
  - Signed application form, including essay
  - A letter of recommendation from current faculty member with their contact information
  - A letter of verification from current STEM program lead, teacher or coordinator
  - Copy of official transcripts
  - Current resume

**Please print, sign and scan the application, scan the letter of recommendation, the official transcripts and your resume. Email all scanned documents to:**

[azstrongties@gmail.com](mailto:azstrongties@gmail.com)

Applications must be received by 4:00 pm, February 2, 2018. Applications received late, will not be considered.

Winners are the top 2 candidates and will be announced on February 11, 2018.

### **Selection Process Information**

The Selection Committee will review all submitted applications received by the due date and make their decision. The Steering Committee's decisions will be final. During the selection process, Applicant may be contacted by phone. The Scholarship Committee may also choose to interview the applicant(s). Selections will be based on both academic and non-academic considerations.



**Dr. Albert McHenry  
STEM Scholarship APPLICATION FORM**

|   |                |            |      |
|---|----------------|------------|------|
| Personal Information:   |                |            |      |
| 1.  | First Name:    | Last Name: |      |
| 2.  | Date of Birth: |            |      |
| 3.  | Address:       |            |      |
|   | City:          | State:     | Zip: |
| 4.  | Email:         |            |      |
| 5.  | Telephone No:  | Mobile:    |      |
| Education Information:  |                |            |      |
| 6. Name of High School:   | Address:       |            |      |
| Guidance Counselor:   | Telephone No:  | Email:     |      |
| 7. List extra-curricular activities you are involved in; (e.g. sports, church or community/volunteer activities, etc.): |                |            |      |
|   |                |            |      |



8. Have you been accepted by a University or College to study a STEM related field?

If yes, please state (a) the Name of Institution and (b) the Course of Study:

If no, list the Names of the Institutions to which you have applied:

Applicant must sign the release, which gives Strong TIES permission to publish on our website/newsletter/social media a picture, a brief summary of the scholarship award. I certify that the information provided in this application is true and correct as of the date set forth opposite my signature and that any intentional misrepresentation of the information contained in this application will result in rejection of my application for the scholarship, and may result in civil and or criminal liability. The Applicant hereby releases Strong TIES, it's directors, officers and volunteers, from any and all liability which may arise from the sharing of this information with third-parties. I also give Strong TIES permission to publish in print, electronic, or video format the likeness or image of myself. I release all claims against Strong TIES with respect to copyright ownership and publication including any claim for compensation related to use of the materials.

9. Applicants Signature: \_\_\_\_\_ Date: \_\_\_\_\_

10. Parent Signature (for applicants under 18): \_\_\_\_\_

11. Prepare a 700-word essay describing your interest in developing a career in a STEM field and why the scholarship ought to be awarded to you. In addition to this topic, select one of the following topics to include in your essay:

- Internet of Things: Describe emerging trends & opportunities in Internet of Things.
- Artificial Intelligence/Machine Learning: Comment on need and value of demystifying Digital Labor.
- Robotics: Describe the impact of robotics, considering performance and cost, on human labor force and society.
- Gamification: Describe both positive and negative aspects of managing remote team via gamification.
- Cybersecurity: Describe how expanding technology increases the risk of a cyber attack and options for staying ahead of the risk curve.
- Mobile Computing: Discuss issues on trust, security and payment in e-commerce and mobile computing.