

Evan Bretl

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<https://github.com/evanxq>

EDUCATION:

Georgia Institute of Technology, Atlanta, GA

*Fall 2016 – Spring
or Winter 2019*

- Pursuing a Bachelor of Science in Computer Science
- Planned concentrations in Intelligence and Devices

Saint Xavier High School, Cincinnati, OH

*Fall 2012 – Spring
2016*

- GPA: 96.87 / 100 or 4.0
- One of two students to receive two departmental awards – Computer Science and Physics

EXPERIENCE:

Team Co-Captain, FIRST Tech Challenge team #4969 Robot-X, Cincinnati, OH

2012 – 2016

- Programmed reliable autonomous and human-controlled systems
- Managed team goals, activities, and design process
- Won a regional Inspire award for performance and service; won the Control Award for advanced programming at the Asia-Pacific Invitational

Project Leader and Software Leader, CANE Walker Project, Cincinnati, OH

*Winter 2014 – Fall
2016*

- Initiated development of an assistive device for blind people with mobility disorders – a walker outfitted with sensors and a headset
- First prototype is currently in use in Erlanger, KY <<http://goo.gl/PeiCB8>>
- Designed and implemented sound-based UI/UX, sensor input, and data processing algorithms (including image analysis)

Participant, GT Grand Challenges Living/Learning Community, Atlanta, GA

*Fall 2016 – Spring
2018*

- Practiced effective teamwork through open-ended group projects
- Learned how to effectively contribute to the solving of “wicked problems”
- Researched and problem-solved real-world health issues

Participant, Ohio Supercomputer Center Summer Institute, Columbus, OH

June 2015

- Worked in a team with a supervisor to write a program that analyzed solar images to identify comets as they pass near the sun
- Learned about applications of high-performance computing, like simulation and big data
- Continued work on the project in my own time after the camp was over

SKILLS:

Programming languages

Python, Java, C/C++, Matlab

Other Software

Git; Windows and basics of Debian Linux

OTHER ACTIVITIES AND/OR LEADERSHIP:

Georgia Tech RoboJackets – RoboRacing team, Software/Electrical Teams

Fall 2016 – Present

GT Artificial Intelligence Club, Natural Language Processing Team

Fall 2016 – Present

GT Men’s Club Volleyball team, Member

Fall 2016 – Present

GT Women’s Varsity Volleyball team, Practice Manager

Fall 2016 – Present

National Honor Society, Member

2014 – 2016

St. Xavier HS Varsity Volleyball team, Member and occasional team captain

2013 – 2016

Cincinnati Attack Volleyball Club, Member

2012 – 2016