Frank Harrison Wilton

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EDUCATION

University of Michigan, College of Engineering, Ann Arbor, MI, Class of 2018
- Major: Computer Science Engineering
- Completed Freshman year; GPA 3.6; 73 total credit hours. Course work to date includes: Calculus III; Differential Equations; Linear Algebra; Classical Mechanics; Electromagnetism; Heat, Waves and Optics; Technical Communication; Introduction to Programming; Modern Physics; Discrete Math; Data Structures and Algorithms; Computer Organization.
- Dean's List; Winter Quarter 2015

Technical University of Berlin, Berlin, Germany (May 9, 2015 – June 20, 2015)
- Participated in UM's International Engineering Program; worked in a research facility to help design fluidized reactor beds for the purpose of turning wood chips into gas for energy creation.

PRE-COLLEGIATE STUDIES

Georgetown Day School, Washington, DC, Class of 2014

Stanford University Education Program for Gifted Youth, Palo Alto, CA, Summer 2013
- Completed Theory of Relativity course; studied special and general relativity; quantum mechanics, nuclear physics; high-energy particle physics and cosmology.

EXTRACURRICULARS
- EECS Honor Fraternity (HKN) Active Member
- Helped build a website for HKN
  - Programmed using Django
  - Implementing Users database and Community Service hour submission tracking system.

SKILLS

Programming
- Fluent in MATLAB and C++.
- Completed various projects involving pathfinding, algorithms and data structures (structs, classes, linked lists), dynamic memory management.
- Written programs that solve Sudoku Puzzles and basic games, including Snake and Euchre.

INDEPENDENT ENGINEERING PROJECT

"War Wolf, A Medieval WMD" Clayton, NC, Summer 2013
- Built a full scale, functioning trebuchet with the capacity to launch 20 pounds objects more than 100 feet.
- Learned basic construction principles, the proper use of power tools, and how to make modifications and improvements as project advanced.

Personal Computer
- Assembled a PC using various premade parts.
- Learned about the inner workings of a PC and how to handle electronic components.