School Address:
229 Vassar Street
Cambridge, MA 02139

Collin Potts

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(308) 765-1035

Home Address:
2851 E. Amblewood Circle
Lima, OH 45801

Education

Massachusetts Institute of Technology (MIT) — Cambridge, MA
Candidate for B.S. in Computer Science and Engineering; GPA: 5.0/5.0 — *June 2020*
Relevant Courses: Design and Analysis of Algorithms, Machine Learning, Software Construction, Discrete Mathematics, Probability and Random Variables

Gering High School — Gering, NE
Valedictorian in class of 145 students; ACT: 36, SAT: 2300 — *May 2016*
Relevant Courses: College Calculus, Linear Algebra, Programming

Research Experience

Computer Science and Artificial Intelligence Lab – MIT Infolab — Cambridge, MA
Undergraduate Researcher — *January 2018-Present*

- Create new functionality for WikipediaBase, a knowledge server built to provide an organized interface to Wikipedia's vast and complex data
- Restructure testing suite to be unaffected by Wikipedia's dynamic composition.
- Design and implement automated generation of underlying data structures

MIT Research Laboratory of Electronics – Speech Communication Group — Cambridge, MA
Undergraduate Researcher — *January 2017- August 2017*

- Examined and labeled speech samples to designate various acoustic cues.
- Studied the fundamental principles of signal processing and machine learning.
- Developed MatLab modules to accurately process, label, and understand speech, all in order to enhance modern speech recognition software.

MIT Space System Laboratory – Zero Robotics — Cambridge, MA
Team Member — *September 2016- December 2016*

- Designed a game teaching high school students to program satellites, giving them increased exposure to robust programming projects.
- Coded unit tests and standard players in C++ to improve and debug the current game.
- Collaborated with students to make the game more enjoyable and challenging.

Summer Science Program — Boulder, CO
Student Participant — *June 2015- July 2015*

- Analyzed astronomical data with imaging software and self-written Python programs.
- Summarized orbital characteristics of an asteroid in a formal research paper.

Skills

Languages: Python, Java, MatLab, C++, HTML, CSS
Technologies: Microsoft Word, Excel, and PowerPoint; Adobe After Effects, Photoshop; Arduino

Activities

MIT Undergraduate Research Technology Conference — *July 2017- Present*
Registration Chair

- Coordinate registration of over 200 undergraduate conference attendees.
- Organize MIT student group demonstrations to take place at the conference.

MIT Code for Good — *September 2017-Present*
Consulting Group Member

- Provide technical advice to help non-profits maintain and grow their businesses.