ZOLTAN CSAKI

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EDUCATION

Cornell University, College of Engineering (GPA 3.7)	May 2022
Lansing High School (GPA 94.5)	June 2018

EXPERIENCE

CORNELL CUP ROBOTICS [MEMBER]   SEPT 2018 - NOW

Working with an electrical and computer sub team that is developing robotics kits with Raspberry Pi's for production. Worked with python, raspberry pi, sensors.

FTC ROBOTICS TEAM [PRESIDENT]   SEPT 2015 - JUNE 2018

Team lead Junior year, and head programmer senior year. Qualified for state competition 2017, 2018. Worked with Java programming, sensors , 3D modeling/printing, and mechanical design.

PROJECTS

INTRO CS FINAL PROJECT, 100%   FEBRUARY 2016

Created the video game space invaders in python from scratch using object oriented programming.

PROJECT LEAD THE WAY, "DUSTIN"   SEPT 2017 - JUNE 2018

Developed a miniature autonomous dusting robot using Arduino. Pitched the idea to local technology company representatives. Worked with sensors circuitry and design process.

CORNELL MAKE-A-THON, "INSTA-LERT", 2ND PLACE   FEBRUARY 2016

Designed INSTA-LERT a child security mechanism using Arduino with a team. Created a functional prototype in 24 hours and pitched the idea to judges.

SKILLS

Python, Java, Arduino, Raspberry Pi, CAD Modeling, Circuitry, Sensors (gyroscope, infrared, lidar) Design Process

COURSES

Spring 2019 Cornell Courses: Object Oriented Programming and Data Structures, Multivariable Calculus for Engineers, Engineering General Chemistry, Digital Logic and Computer Organization

Past Cornell Courses: Introduction to Computing (Python), Physics 1: Mechanics and Heat, Calculus for Engineers, Introductory Operations Research

Lansing High School: AP Calculus AB (5), AP Physics 1 (5), AP Biology (5), AP Statistics (5), 3 years of Engineering Project Lead The Way

HONORS

FTC Control Award for Innovative Autonomous Design 2018

RIT Computing Medal 2017

Best Technology Student Lansing High School 2018

Voted Student Body Treasurer