

Andrew Van Horn

Last Updated on 13th September 2020

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EDUCATION

MISSOURI S&T

BS ELECTRICAL ENGINEERING

BS COMPUTER ENGINEERING

Expected May 2021 | Rolla, MO

Minor in Mathematics and Physics

College of Engineering and Computing
Dean's List (All Semesters)

Cum. GPA: / 4.0

Major GPA: / 4.0

LINKS

Github:// [andrewvh4](#)

LinkedIn:// [andrewvanhorn](#)

COURSEWORK

UNDERGRADUATE

SKILLS

SOFTWARE

Experienced:

C • C++ • C# •

Familiar:

Python • Linux • \LaTeX • Assembly

Matlab

HARDWARE

Experienced:

KiCAD EDA

Familiar:

Eagle

EXPERIENCE

DE DESIGN WORKS | ELECTRICAL ENGINEERING INTERN

Jan 2019 – Aug 2019 | Earth City, MO

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MARS ROVER DESIGN TEAM - MISSOURI S&T | ROLLA, MO

Chief Technical Officer (CTO) | June 2019 – May 2020

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Electrical Architect | June 2018 – May 2019

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Active Member - RoveCore Electrical | Aug 2017 – May 2018

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RESEARCH

CORNELL ROBOT LEARNING LAB | HEAD UNDERGRAD RESEARCH

Jan 2014 – Present | Ithaca, NY

Worked with Ashesh Jain and Prof Ashutosh Saxena to create PlanIt, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments. Publication submitted.

CORNELL PHONETICS LAB | HEAD UNDERGRADUATE RESEARCHER

Mar 2012 – May 2013 | Ithaca, NY

Lead the development of QuickTongue, the first ever breakthrough tongue-controlled game with Prof Sam Tilsen to aid in Linguistics research. Publication submitted.

AWARDS

2014	top 52/2500	KPCB Engineering Fellow
2014	2nd most points	Google Code Jam, Qualification Round
2014	1st/50	Microsoft Coding Competition, Cornell
2013	National	Jump Trading Challenge Finalist
2013	7th/120	CS 3410 Cache Race Bot Tournament
2012	2nd/150	CS 3110 Biannual Intra-Class Bot Tournament
2011	National	Indian National Mathematics Olympiad (INMO) Finalist
2010	National	Comp. Soc. of India's National Programming Contest

SOCIETIES

2014	top 12%ile	Tau Beta Pi Engineering Honor Society
2014	National	The Global Leadership and Education Forum (tGELF)
2012	National	Golden Key International Honor Society
2012	National	National Society of Collegiate Scholars