

# SRINIVAS SIMHAN

[simhan@umich.edu](mailto:simhan@umich.edu) ♦ <https://www.linkedin.com/in/ssimhan/>

## EDUCATION

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**Aug '14 - Present**      **UNIVERSITY OF MICHIGAN**      **Dearborn, MI**

*Bachelor of Science (Class of 2019)*

- Taken classes with foundations in C, C++, C#, & Python
- Majors: Computer Scienc: w/ Cybersecurity Certification

**Aug '10 – May '14**      **TROY HIGH SCHOOL**      **Troy, MI**

- Microsoft Office: Excel, Word, PowerPoint
- Computer Science: Java
- Workflow Management Tools: Slack, GroupMe, Telegram, Asana
- Other Skills: Woodshop Experience, Financial Management

## EXPERIENCE

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**June '16 – Aug '16**      **CONTINENTAL AUTOMOTIVE**      **Troy, MI**

*Software Engineering Intern*

- Created Python GUI by converting from C++ GUI for Software Testing Purposes
- Practical experience implementing code on Arduino microprocessor for testing

**June '10 – Present**      **FIRST ROBOTICS**      **Troy, MI**

*Team Head Business/ Programming Mentor*

- Teach team of 127 high school students coding (LabView, C++ and JAVA), electrical wiring basics, and machining basics
- Help students work essay submissions, business plans, risk mitigation plans, and presentation skills

Mentor students in areas of leadership, sportsmanship, and professional development in the area of robotics

**President (Troy High School Chapter)**

- Competed in 10 seasons and won Documented requirements and prototype designs with team
- Developed robotics operations - using LabView, coding in C++ and JAVA
- Performed Strategy Basics and Advanced Scouting Techniques – using Microsoft Excel to document and record data for assessment purposes
- Used System Development Life Cycle SDLC Concepts by gathering requirements and document, design Robot structure, coding programs, testing trial runs, implementing change controls and perform end-to-end testing
- Learned to manage a group of 231 students and different subsections to complete a project in 6 weeks
- Used Project Planning, Maintained Schedules, Reported Status
- Raised funds via sponsorships from 23 local businesses and community
- Introduced STEM (Science, Technology, Engineering, Mathematics) – inspiring students to pursue a technical degree

**Robotics Build Team Lead**

- Team lead for robotics operations, community outreach and team building activities
- Participated in fund raising activities and helped woodshop design activities
- Guided middle school students and high school peers in robotics competition strategy, monitoring & controlling tasks, communicating deployment methods, and creative idea development for hardware and LabView programming
- Learned to manage a group of 127 students and different subsections to complete a project in 6 weeks
- Used LabView to program an autonomous mode using a PID control algorithm and sensors to control the robot

**Aug '14 – Present**

**UNIVERSITY OF MICHIGAN**

**Dearborn, MI**

- *Office for Student Engagement (Student Assistant)* – Work on campus-wide student organization engagement website (VictorsLink), support of office functions, filing/copying/scan image files, banner/flyer creation, professional communication interactions face-to-face and on the phone, event manager, miscellaneous tasks
- *Office of Student Success (Student Tutor)* – Tutor students in need of help in coding, math, and engineering classes
- *Theta Tau Fraternity (President/Vice President/New Member Educator/Social Chair)* – Using Trello and Slack to manage and organize Theta Tau's activities - coordinated FIRST robotics competition, MATHCOUNTS competition, assisted with programming competition, hosted regional conference, and hosted programming seminars, while encouraging fellow students to gain interest and join Theta Tau
- *Association for Computing Machinery (President)* – President of the University of Michigan – Dearborn chapter, ACM is part of an international learned society for computing, and is the world's largest scientific and educational computing society
- *Student Government (Director of Greek Affairs)* – A liaison between the Student Government and Greek Life, as well as assisting in the growth & development of Greek Life
- *Student Activities Board (Secretary/Treasurer, After-Noon Activities Coordinator/After-Dark Activities Coordinator)* – Organize and host events across campus during afternoon and evening hours, maintain records and balance budget of a university sponsored organization
- *InterFraternity Council (President/Secretary)* – Building a stable council to discuss fraternal activities and involvement on campus, managing meeting minutes for organization record
- *Student Organizations Advisory Council (Academic/Professional Chair)* – Make decisions with council on funding for student organizations' fund-based activities

**June '12 – June '14**

**ED-EN Center**

**Troy, MI**

**Private Tutor**

- Teach mathematical concepts and writing strategies to prepare middle school students and high school peers for standardized exams (ACT, Algebra, Geometry, Trigonometry)

**AWARDS**

- Dearborn Difference Maker (2018)
- FIRST Robotics District - Chairmans Award (2017)
- FIRST Robotics District - Engineering Inspiration Award (2015)
- Entrepreneurship Award sponsored by Kleiner Perkins Caufield and Byers (2015)