

# MATTHEW HEALY

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GITHUB    <https://github.com/healym>

## EDUCATION

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MAY 2019 | Missouri University of Science and Technology, Rolla MO  
**Bachelor of Science, Computer Science**  
GPA: **3.4/4.0**, Major GPA: **3.9/4.0**

## WORK EXPERIENCE

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JAN 2018 | **Software Engineering Intern**  
AUG 2018 | *Garmin International*, Olathe KS

- Actively developed and maintained HIVE tool
- Worked directly with users to diagnose and fix issues
- Wrote reliable tests for both embedded and .NET projects
- Maintained software for GIA64 data concentration unit

JAN 2018 | **Founder**  
PRESENT | *Embyr Technologies LLC*

- Founded Embyr Technologies, LLC and assembled original team
- Guided development of "Spark" education platform lesson and module architecture
- Co-developed simplified educational software/hardware project development platform
- Led team to top 15 of Schulze Entrepreneurship Challenge

MAR 2017 | **Student Worker/Technician**  
DEC 2017 | *ITRSS/Minerfly*, Rolla MO

- Maintained and built several frames for research flights
- Designed real-time computer vision safety system
- Managed and co-developed autonomous flight software for several UAVs
- Conducted safety procedures for 50+ flights

## PROFESSIONAL AFFILIATIONS

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SIGDOTCOM | **Front-end Developer**

- Developed several pages on Missouri S&T ACM website
- Redesigned several existing pages
- Participated in weekly design meetings to integrate with back end

DR. GAYLA OLBRICHT | **Research Assistant - Data Science**

- Analyzed neuroimaging data to look for statistical trends
- Co-authored a paper describing the project
- Presented research to a board of peers

ROBOTICS TEAM | **Secretary and Electrical Team**(Sub-team Lead)

- Designed boards for system controls and power management
- Contributed to design of optical distance measurement software for submersible robot
- Assisted in designing power distribution circuitry for submersible robot
- Managed communication for team as a whole between executive officers and members

## TECHNICAL SKILLS

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LANGUAGES | C#, Python, C++, Javascript, Go, Haskell, Common Lisp

SOFTWARE | Git/Github, GNU/Linux, Make, OpenCV, Valgrind, GDB, Vim, Visual Studio