Matthew Healy

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Objective

To obtain a software engineering internship focused on challenging and compelling problems in computer science

Education

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** Relevant Coursework: Theory of Computer Science, Algorithms, Data Structures, Intro Microcontroller Embedded Design

Work Experience

AUG 2017 March 2017	**Student Worker/Technician** *ITRSS/Minerfly*, Rolla MO ○ Maintained and built several frames for research flights ○ Designed real-time computer vision safety system ○ Managed and maintained flightstack for several UAVs ○ Supervised 50+ flights as Safety Personnel/Ground Control

Professional Affiliations

DR. GAYLA OLBRICHT	**Research Assistant** ○ Analyzed neuroimaging data to look for statistical trends ○ Co-authored a paper describing the project ○ Presented research to a board of peers
ROBOTICS TEAM	**Electrical Team**, Sub-team Lead ○ Lead six person subsystem of undergraduate and graduate students ○ Conducted, designed, and documented tests to assure software/hardware quality and reliability ○ Utilized dc1394 in a C environment to capture images stereoscopically ○ Collaborated with Program Manager and team members to design flight code
MARS ROVER TEAM	**Telemetry/Controls**, ○ Worked with both Science and Telemetry teams to design data collection devices ○ Designed software to visualize scientific data

Technical Skills

LANGUAGES	Haskell, Python, Go, Assembly, C, C++, Javascript, Elm, BASH, LaTeX, Julia, Matlab
SOFTWARE	Git/Github, Interface Builder, LLVM Debugger, Make, OpenCV, PostgreSQL, Valgrind, Vim, ZSH