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GitHub
hal7df
<http://hal7df.github.io>

OBJECTIVE Seeking a summer internship to demonstrate and expand my knowledge in software engineering and computer architecture.

EDUCATION **University of Michigan** **Ann Arbor, MI**
Undergraduate Engineering **Graduation Apr. 2019**
Undeclared (Computer Science)
GPA: 3.925/4.0 (as of Winter 2016)

EXPERIENCE **AGC Automotive Americas R & D, Inc.** **Ypsilanti, MI**
Intern, Software Development **Aug. 2015 – present**

- Created and maintained replacement server virtual machine (SLES 12) as an emergency recovery procedure of business-critical Linux web server
- Maintained PostgreSQL database for North American testing operations
- Updated JSP-based server pages to continuously improve company's workflow

FIRST Robotics Competition Team 67 **Milford, MI**
Lead Student Programmer, student mentor **Jan. 2013 – Apr. 2015**

- "Dean's list" nominee
- Created culture of learning within programming group to encourage mutual teaching and learning
- Organized and led programming group meetings over 6-week period to teach 10 programmers to write and design robot code
- Created comprehensive series of interactive tutorials for C++, robotics programming, and Git online: <http://hal7df.github.io/pauls-tutorials>
- Instantiated consistent robotics codebase development scheme using GitHub
- Consulted with web design group to teach new website maintainers how to use relevant tools

Qt/Android app development **June 2013 – present**
Independent programmer

- Designed and implemented 4 unpublished, beta Android apps
- Android apps written largely in Qt/QML, some under-the-hood features written in Java

ENGR 100: Gaming for the Greater Good project **Sept. – Dec. 2015**
Project designer and leader

- Developed large amount of low-level codebase, including modified stack interface
- Developed initial game design to aid children with Autism Spectrum Disorder
- Organized weekly team meetings to check in on team progress and evaluate next steps

Science Olympiad **White Lake, MI**
General Secretary **Sept. 2014 – May 2015**

- Organized team resources on team web page to allow team members to prepare more effectively
- Created system to allow for more effective team organization and membership

COMPUTER SKILLS **Platforms:** Linux (predominantly Ubuntu and openSUSE), Windows XP – 10
Applications: VirtualBox, Qt Creator, Eclipse, PuTTY
Languages: Skilled in C++, HTML, JavaScript, CSS, QML, bash; learning Java, MATLAB, \LaTeX

LANGUAGES Proficient in French

ACTIVITIES **FIRST Alumni and Mentor Network at Michigan** **Sept. 2015 – present**
Website maintainer, general member

- Volunteered at Ann Arbor's first-ever FIRST Robotics Competition kickoff event
- One of three website maintainers for brand-new website, currently most active maintainer

Michigan Hackers **Jan. 2016 – present**

- Working on note-taking software solution to enhance organization and searchability of electronic notes and deliver to Linux and other platforms
- Looking to integrate into a group of like-minded individuals
- Looking to learn and contribute to new software engineering projects