

Jacob Hegna

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EDUCATION	<i>Bachelor of Science, Computer Science</i>	August 2015 - Present
	<i>Bachelor of Science, Mathematics</i>	August 2015 - Present
	University of Kansas (Honors College), Lawrence, KS	
	Expected graduation: May 2019	

Black-Babcock Mathematics Scholar
Dean's List: Fall 2015 to Spring 2017
GPA: 3.99

EXPERIENCE	<i>Garmin Software Engineering Intern</i>	May 2017 - August 2017
	<ul style="list-style-type: none">Designed and implemented a general-purpose logging framework for use on multiple devices.Managed requirement analysis between multiple teams (PND, WiFi/networking, security, and more).Coordinated development on the logging framework through Git, Gerrit, and JIRA.	

	<i>Undergraduate Researcher</i>	May 2016 - September 2016
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- Developed a static branch prediction algorithm for disassembled executables, with over 70% accuracy for certain heuristics.
- Implemented the algorithm in C++, while having to parse x86 assembly.
- Worked alongside multiple PhD candidates to achieve development goals.
- Managed data sets of 10+ gigabytes.
- Maintained proper version control via Git.

PERSONAL PROJECTS	<i>Assembler/disassembler for the Intel 8080 microprocessor</i>
	<ul style="list-style-type: none">Developed a platform able to handle and manipulate well-formed Intel 8080 binaries.Maintained proper version control via Git.Leveraged continuous integration via Travis CI to ensure build stability.

SKILLS	<i>Technology:</i> GDB, Git, Gerrit, JIRA, Linux, Node.js, L ^A T _E X
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Communication & Teamwork: Member of the KU Debate Team, quarterfinalist at the National Debate Tournament, invitee to the Dartmouth Round Robin, ranked in the top-10 collegiate debate partnerships nationally.