

JONATHAN THOMAS

JUNIOR, seeking INTERNSHIP

CONTACT INFORMATION	Email: jonthoma@umich.edu Phone: (616)-916-2510	LinkedIn: linkedin.com/in/jonathoma Website: jonathoma.github.io
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SUMMARY	Computer science and mathematics junior seeking a summer 2018 internship in order to gain experience in software engineering, with emphasis on artificial intelligence and machine learning.
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EDUCATION	University of Michigan <i>B.S.E. Computer Science and Honors Mathematics, Philosophy Minor</i> GPA: 3.84 / 4.00	Ann Arbor, MI <i>Sep 2015 – Apr 2019</i>
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- Member of both Engineering Honors Program and LSA Honors
- William J. Branstrom Freshman Prize, University Honors / Dean's List (all semesters)
- Engineering Scholarship of Honor, Regents Merit Scholarship, National Merit Scholar

Current Coursework

- Intro to Operating Systems (EECS 482)
- Honors Algebra (MATH 493)

Past Coursework

- Object Oriented and Advanced Programming (EECS 381)
- Data Structures and Algorithms (EECS 281)
- Intro to Computer Organization (EECS 370)
- Fundamentals of Computer Science (EECS 376)
- Intro to Topology (MATH 590)
- Real Analysis (MATH 451)
- Linear Algebra (MATH 217)
- Ethics (PHIL 361)

EXPERIENCE	JPMorgan Chase Digital <i>Software Engineering Intern</i>	New York, NY <i>Summer 2017</i>
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- Utilized machine learning tools on real time data streams to detect and intercept fraudulent behavior and created conditional rules to prevent further misuse.
- Provided code quality review for thousands of lines of Java code with suggestions for refactoring, eliminating duplicated code, and employing design patterns to increase readability.
- Attained over 40% increase in code coverage of new data transfer standard for financial data aggregators with Cucumber testing protocols.

University of Michigan <i>Proof Tutor</i>	Ann Arbor, MI <i>Summer 2016 – Present</i>
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- Guide students in demonstrating rigorous proofs of fundamental theorems in linear algebra.

Synergy Broadband <i>Network Intern</i>	Ann Arbor, MI <i>Summer 2016</i>
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- Oversaw the redesign of company data center to implement an energy-efficient cooling system.
- Communicated directly with business customers to ensure a smooth transition to new layout.

Alternative Engineering, Inc <i>Engineering Intern</i>	Belmont, MI <i>Summer 2015</i>
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- Investigated growing fields in the materials handling industry in order to develop an effective business strategy for the company.
- Presented 8 weeks of research, data analysis, and recommendations to CEO of company.

ACTIVITIES	Engineering Honors Student Advisory Board Honors GO! New Zealand Volunteer 1 st Violin, Michigan Pops Orchestra and Campus Symphony Orchestra Michigan Philosophy Club	<i>Jan 2017 - Present</i> <i>Apr 2017 - May 2017</i> <i>Sep 2015 - Present</i> <i>Sep 2015 - Present</i>
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SKILLS	<i>Languages:</i> C++, C (main), Java (proficient), Python (familiar), Haskell (learning) <i>Other Technologies:</i> Bash, Cucumber, Git, Hystrich, L ^A T _E X, Maven, Splunk, Vim, Xcode <i>Foreign Languages:</i> Spanish (proficient) <i>Miscellaneous:</i> Indie music enthusiast, vinyl and Modernist poetry collector, board game night host
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