Jonathan Thomas

JUNIOR, seeking Internship

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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.

EDUCATION

University of Michigan, Ann Arbor, MI
B.S.E., Computer Science and Honors Mathematics, Philosophy Minor   *Sep 2015 – April 2019*
GPA: 3.84 / 4.00

- 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 I (MATH 493)

Past Coursework

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

PROFESSIONAL EXPERIENCE

JP Morgan Chase Digital, New York City, NY
Software Engineering Intern   *Summer 2017*

- 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.
- Increased code coverage of new data transfer standard for financial data aggregators from less than 20% to 70% with Cucumber testing protocols.

University of Michigan, Ann Arbor, MI
Proof Tutor   *Summer 2016 – Present*

- Guide students in demonstrating rigorous proofs of fundamental theorems in linear algebra.

Synergy Broadband, Ann Arbor, MI
Network Intern   *Summer 2016*

- 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, Belmont, MI
Engineering Intern   *Summer 2015*

- 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 and project manager.

ACTIVITIES

Engineering Honors Student Advisory Board	*Jan 2017 - Present*
1st Violin, Michigan Pops Orchestra and Campus Symphony Orchestra	*Sep 2015 - Present*
Michigan Philosophy Club	*Sep 2015 - Present*

SKILLS

Languages: C++, C (main), Java (proficient), Python (familiar), Haskell (learning)
Other Technologies: Bash, Cucumber, Git, Hystrix, LaTeX, Maven, Splunk, Vim, Xcode
Foreign Languages: Spanish (proficient)