JONATHAN THOMAS

2511 Black Horse Dr NE, Grand Rapids, MI 49505 | C: (616)-916-2510
jonthoma@umich.edu | linkedin.com/in/jonathoma | github.com/jonathoma | jonathoma.github.io

---

OBJECTIVE

Computer science and mathematics student 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 / B.S. Honors Mathematics, Philosophy Minor   *Graduation: May 2019*
• GPA: 3.84 / 4.00
• William J. Branstrom Freshman Prize, University Honors / Dean's List (*F'15, W'16, F'16, W'17*)
• Recipient of Engineering Scholarship of Honor, Regents Merit Scholarship, National Merit Scholar

Coursework
  • Intro to Operating Systems (EECS 482 / *Current*), Honors Algebra I (MATH 493 / *Current*)
  • OOP and Advanced Programming (EECS 381), Data Structures and Algorithms (EECS 281)
  • Intro to Topology (MATH 590), Real Analysis (MATH 451), Linear Algebra (MATH 217)

EXPERIENCE

JPMorgan Chase Digital   **New York City, NY**
Software Engineering Intern   *Summer 2017*
• Integrated Hystrix latency and fault tolerance procedures into authentication systems in order to increase resilience of distributed systems against malicious users and brute force attacks.
• Employed machine learning methods with Splunk on real time data streams to detect and intercept fraudulent behavior and created conditional rules to prevent further misuse.
• Increased code coverage of new data transfer standard for financial data aggregators from < 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.

SKILLS

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

ACTIVITIES

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