

JONATHAN THOMAS

SENIOR, seeking FULL TIME

CONTACT ✉: jonthoma@umich.edu
INFO ☎: (616)-916-2510

🌐: [linkedin.com/in/jonathoma](https://www.linkedin.com/in/jonathoma)
👤: [jonathoma.github.io](https://github.com/jonathoma)

SUMMARY Computer science and mathematics **senior seeking a full time position** as a software engineer.

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

- Engineering Scholarship of Honor, Regents Merit Scholarship, National Merit Scholar
- William J. Branstrom Freshman Prize, University Honors / Dean's List (all semesters)

Current Coursework

- Web Systems (EECS 485)
- Introduction to Probability (MATH 525)

Past Coursework

- Operating Systems (EECS 482)
- Object Oriented and Advanced Programming (EECS 381)
- Data Structures and Algorithms (EECS 281)
- Honors Algebra (MATH 493)
- Introduction to Topology (MATH 590)
- Linear Algebra (MATH 217)

EXPERIENCE **Facebook** **Menlo Park, CA**
 Incoming Software Engineering Intern *Summer 2018*

JPMorgan Chase Digital **New York, NY**
 Software Engineering Intern *Summer 2017*

- Wrote Java code to unify separate interfaces for Chase account backend services, streamlining testing.
- Performed code quality inspection with senior colleagues for ~ 3000 lines of Java code with suggestions for refactoring, eliminating duplicated code and applying object-oriented design patterns.
- Modularized testing code into distinct components each focused on single step of test, reducing potential technical debt.
- Wrote Cucumber scenario tests for new data transfer protocol incorporating OAuth token authorization for financial data aggregators.
- Worked with Agile development, meeting with scrum team on a day-to-day basis with 3-week sprints and establishing good Git version control practices.

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

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

RESEARCH **University of Michigan Laboratory of Geometry** **Ann Arbor, MI**
 Undergraduate Researcher *Sep - Dec 2017*

- Investigated the combinatorics of the Mandelbrot set under faculty advisor Dr. Sarah Koch.
- Wrote Python scripts using SageMath, numpy and matplotlib to visualize associated data and help with symbolic algebra computations.

PROJECTS **Song of the Day**  *Summer 2017*

- Used Python scripts in conjunction with Spotify and Last.fm APIs to provide myself with a daily-updated, personalized song recommendation on my website.

ACTIVITIES Engineering Honors Student Advisory Board *Jan 2017 - Present*
 Honors GO! New Zealand Volunteer *Apr - May 2017*
 Assistant Concertmaster, Michigan Pops Orchestra *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)
 Miscellaneous: Indie music aficionado, vinyl and Modernist literature collector, veteran game night host