JONATHAN THOMAS

CONTACT INFO	✉: jonthoma@umich.edu 🔗: linkedin.com/in/jonathoma 📞: (XXX)-XXX-XXXX 👤: jonathoma.github.io

CONTACT INFO
✉: jonthoma@umich.edu
📞: (XXX)-XXX-XXXX
🔗: linkedin.com/in/jonathoma
👤: jonathoma.github.io

SUMMARY

Senior seeking a full time position as a software engineer starting Fall 2019.

EDUCATION

University of Michigan   **Ann Arbor, MI**
B.S.E. Computer Science and Honors Mathematics, Philosophy Minor   *Grad. April 2019*
GPA: 3.83 / 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

- Computer Networks (EECS 489)
- Mobile App Development (EECS 441)

Past Coursework

- Operating Systems (EECS 482)
- Object Oriented and Advanced Programming (EECS 381)
- Data Structures and Algorithms (EECS 281)
- Web Systems (EECS 485)
- Coding / Information Theory (MATH 567)
- Honors Abstract Algebra (MATH 493/4)

EXPERIENCE

Facebook   **Menlo Park, CA**
Software Engineering Intern - Kernel Applications Team   *Summer 2018*

- Kernel Applications team.

JPMorgan Chase Digital   **New York, NY**
Software Engineering Intern - Digital Authentication Team   *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.
- Wrote Cucumber scenario tests for new data transfer protocol incorporating OAuth token authorization for financial data aggregators.

University of Michigan   **Ann Arbor, MI**
Proof Tutor   *Fall 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   *Fall 2017*

- Investigated the combinatorics of the Mandlebrot 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

President, Engineering Honors Student Advisory Board   *Mar 2017 - Present*
Assistant Concertmaster, Michigan Pops Orchestra   *Sep 2015 - Present*
Honors GO! New Zealand Volunteer   *April - May 2017*
Michigan Math Club   *Sep 2015 - Present*

SKILLS

Languages: C++, C (main), Java, Python (proficient), Haskell (familiar)
Other Technologies: Bash, Cucumber, Git, LaTeX, Maven, Splunk, Vim, Xcode
Foreign Languages: Spanish (proficient)
Miscellaneous: Avid music listener, vinyl and book collector, veteran game night host