

Luum Habtemariam

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Education

University of Michigan

B.S.E. Computer Science

Ann Arbor, MI

Graduation: April 2017

- GPA: 3.78/4.0, (University Honors, Dean's List)
- Previous Courses: EECS 280 – Programming and Introductory Data Structures, EECS 281 – Data Structures and Algorithms, EECS 370 – Introduction to Computer Organization, MATH 465 – Introduction to Combinatorics and Graph Theory
- Current Courses: EECS 482 – Introduction to Operating Systems, EECS 485 – Web Databases and Information Systems

Programming Languages: Fluent in C++. Proficient in python, Perl, and MATLAB. Familiar with HTML.

Platforms: OSX, Linux

Experience

University of Michigan EECS Department

Fall 2015

EECS 281 (Data Structures and Algorithms) Instructional Aide

- Lead a weekly one-hour discussion, covering core topics in a smaller, more interactive environment
- Hold two weekly office hours, aiding students who need some more one-on-one help
- Work in teams with other staff members to design and grade the projects and exams for the course

Qualcomm Inc.

Summer 2015

Software Engineering Intern

- Optimized high and low level design on the backend of multiple applications
- Led project to design and implement a framework to automate an application's test suite

University of Michigan Physics Department

Winter 2015

Physics 140 (General Physics 1) Teaching Aide

- Attended all lectures, aiding the professor in answering the students' questions
- Held three weekly office hours, re-teaching integral concepts as well as fielding homework questions
- Monitored and answered online questions and concerns about the course constantly via Piazza

University of Michigan Physics Department

Winter 2015

Physics 140 (General Physics 1) Science Learning Center (SLC) Study Group Facilitator

- Held a two-hour weekly study group, engaging a small group of students in discussion of fundamental concepts
- Held exam review sessions, preparing students with concept overview as well as practice exams

University of Michigan EECS Department

Fall 2013 - Winter 2014

Undergraduate Researcher

- Conducted general research on the applications of Computer Science to mathematical problems in real-world scenarios
- Modeled various graph-theory contagion-spreading algorithms on big data, in particular tracking "hashtags" on Twitter

Activities

Eta Kappa Nu (HKN) – EECS Honor Society

Fall 2015

Office of Treasurer

- Manage all of the organizations' monetary needs, including creating a budget, filling out the monthly tax forms, and managing all expenditures
- Oversee all revenue and expenditures generated by the dB Café, jointly run by HKN and IEEE

Also: Member of Michigan Men's Glee Club, Member of National Society of Black Engineers (NSBE)