

Alexandra E. Brown

alexbro@umich.edu • 248.786.7965 • 1207 Congress Drive • Troy, MI 48085

LinkedIn: <https://goo.gl/Quiz3Q>

EDUCATION

University of Michigan, College of Engineering, Ann Arbor, MI

September 2013 - April 2017

- BSE - Computer Science and Engineering
- GPA: **3.77/4.00**

Notable Coursework

- Data Structures & Algorithms (EECS 281)
 - Object-Oriented & Advanced Programming (EECS 381)
 - Information Retrieval and Web Search (EECS 486)
 - Web Databases (EECS 485)
 - Introduction to Computer Security (EECS 388)
 - Software Engineering (EECS 481)
-

SKILLS

- C/C++ (advanced)
 - Java (intermediate)
 - Python/Flask/Javascript (familiar)
 - HTML/XML (familiar)
 - MySQL (familiar)
 - Flute performance (10+ years)
-

EXPERIENCE

Instructor's Assistant for EECS 280, University of Michigan, Ann Arbor, MI

September 2015 - Present

- Programming and Introductory Data Structures IA
- Teach a discussion and hold weekly office hours to aid students with projects and course material
- Assist professors with review nights, grading, writing, and proctoring exams

Consultant Intern, X by 2 LLC, Farmington Hills, MI

May 2016 - August 2016

- Streamlined the import process using SQL Server Integration Studios for a medical insurance data warehouse
- Explored continuous integration tools to automate the deployment process to QA databases thereby saving time and improving the efficiency of developers and medical analysts

Software Engineering Intern, Continental, Auburn Hills, MI

May 2015 - August 2015

- Wrote software in Java which supported the system safety tool chain by actively checking and confirming safety requirements to expose software bugs
 - Introduced flexibility by converting input format from TXT to XML, as well as adding an output in XML with an embedded XSL stylesheet for easier readability
-

ACTIVITIES

Not Even Really Drama Students (NERDS), Active Member

January 2017 - Present

Eta Kappa Nu (EECS Honors Society), Active Member

January 2015 - Present

- **Leadership:** Historian (Fall 2015), Projects Officer (Winter 2017)

DFTBA UM (Don't Forget to be Awesome at U of M), Active Member

September 2013 - Present

Harry Potter Alliance, Active Member

January 2014 - December 2015

HONORS / AWARDS

- Dean's List, College of Engineering (F13, W14, F14, W15, F16)
- University Honors, University of Michigan (W14, F14, W15)
- Elaine A. Bychinsky Award, College of Music, Theater, and Dance (April 2015)
- James B. Angell Scholar (March 2015)
- Perfect ACT Math Score
- National AP Scholar