Diana Gage

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EDUCATION

University of Michigan '17 — **Ann Arbor, MI**
Sept. 2013 – present

- Majoring in Computer Science in the Honors Program of the College of Literature, Science, and Arts
- Minoring in Applied Statistics
- Current GPA of 3.9/4.0
- William J. Branstrom Freshman Prize, Graham Sustainability Scholar, James B. Angell Scholar

PROFESSIONAL EXPERIENCE

EECS 183 (Elementary Programming Concepts) Staff — **Ann Arbor, MI**
Instructional Aide (IA) — *Sept. 2015 - present*

- Responsible for teaching **a discussion section** and holding **weekly office hours**
- Member of **Spec Team** in charge of creating and editing project specifications, writing staff implementations of projects, and generating test suites for student code
- Writes **autograders** for student projects in **Python**, maintains **front end** on Django web application, and **co-authors autograder GitHub documentation**
- Grades exams and assists in the development of the Final Project(s)

Accupac Inc. — **Lansdale, PA**
Operations, Packaging, and Finance Intern — *June 2013 – Aug. 2014*

- Designed a complex system on Microsoft Excel to track packaging waste, and reduced weekly waste cost by 85.32% ($5,938.36) since June 2013
- Updated several Standard Operating Procedures (SOPs) to be more user-friendly, reducing average reading time by roughly 495 minutes
- Developed an elaborate training program for Packaging employees designed to minimize documentation errors – reduced weekly errors by 50% since launch of program
- Directed sessions with small groups to address specific problem areas for individuals, encourage team work, and raise error awareness

PROGRAMMING AND COURSES

Programming Languages/Markup Languages: Proficient in **C++**; experience in **HTML**, **CSS**, and **Python**

EECS 183: *Elementary Programming Concepts*

- Course Grade: A
- Projects focused on **fundamental data structures, selection, iteration,** and **subprograms**
- Helped other students work through problems and understand course concepts outside of class

EECS 280: *Programming and Data Structures*

- Course Grade: A+
- Projects focused on **abstract data types, recursion, pointers, trees, lists,** and **memory management**

EECS 281: *Data Structures and Algorithms*

- Currently enrolled – to be completed April 2016
- Projects focus on **lists, stacks, queues, hash tables, trees**, and **algorithm analysis**

PROJECTS

Personal website: https://www-personal.umich.edu/~drgage

- Developed with HTML, CSS, and Javascript; different pages include homepage (has "about me", resume, and contact sections), EECS 183 page for my discussion section, and projects page to showcase my personal projects

VeryGoodScheduler: https://very-good-scheduler.herokuapp.com

- My group's Final Project for EECS 183 – alternative to U of M course guide; written using Flask framework; **awarded first prize** for Web Scheduler Project in Winter 2015 EECS 183 Showcase

SKILLS AND INTERESTS

- **Skills:** Proficient in Spanish, skilled at writing and public speaking
- **Interests:** Software Development, Web Design, Teaching, Neuropsychological Research, Sustainability, Social Justice, Singing, Art, Fitness