

Diana Gage

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EDUCATION

University of Michigan '18

Ann Arbor, MI
Sept. 2013 – present

- Majoring in Computer Science in the College of Literature, Science, and Arts
- Minor in Applied Statistics
- GPA: **3.79/4.00**
- Awards and Societies: Graham Sustainability Scholar, James B. Angell Scholar, Top U-M Scholar, Member of Phi Beta Kappa National Honors Society, Member of Phi Kappa Phi National Honor Society, Member of U of M College of Engineering Undergraduate Student Advisory Board (USAB), William J. Branstrom Freshman Prize

PROFESSIONAL EXPERIENCE

Google, Inc.

Software Engineering Intern

Los Angeles, CA
May 2017 – Aug. 2017

- Contributed to **Chromium** and **PDFium**, Google's open-source browser and PDF rendering projects, by writing **C++** code that affects approximately **50 million** users monthly
- Improved **PDF form support** in Chrome by implementing **copy**, **cut**, and **paste** functionality in PDF form fields (bug starred by 51 users, see crbug.com/59266)
- Wrote comprehensive **integration tests** for PDFium APIs, and **unit tests** in Chromium that check command execution via keyboard and mouse events
- Documented work with detailed **diagrams** to be used by engineers working on similar features
- Presented internship project to Chrome LAX team and management

EECS 183 (Elementary Programming Concepts) Staff

Instructional Aide (IA)

Ann Arbor, MI
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)

DISH Network

IT Developer Intern

Denver, CO
June 2016 – Aug. 2016

- Contributed to the **front-end and back-end development** of Beacon, an internal application designed to simplify and enhance customer service employees' experience during customer calls
- Consistently **pair programmed** in the following languages: **Java**, **Javascript**, **HTML**, and **CSS**
- Employed **test-driven development** by writing comprehensive test suites prior to and throughout the development process
- Presented to DISH executives and employees about the benefits of **Agile software development methodologies** such as pair programming and test-driven development

PROJECTS

Personal website: <http://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: <http://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
- **Programming Languages/Markup Languages:** *C++, Python, Java, HTML, and CSS*
- **Skills:** Proficient in Spanish, skilled at writing and public speaking
- **Interests:** Software Development, Sustainability, Women in Technology, Social Justice, Art, Music, Fitness, Education

LANGUAGES, SKILLS, AND INTERESTS