

# HAYLEE JANE MONTEIRO

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## EDUCATION

University of Wisconsin - Madison

Expected May 2018

GPA 3.96/4.00, Dean's List

**B.S. Computer Science, Honors**

*Relevant Coursework:*

Data Structures & Algorithms  
Artificial Intelligence  
Human-Computer Interaction (Graduate Level)  
Operating Systems  
Database Management Systems  
Machine Organization and Programming  
Cryptography

**Certificate in Mathematics**

## TECHNICAL SKILLS

Java	C
.....	.....
C++	Scala
.....	.....
Angular 2	JavaScript
.....	.....
Linux OS	Android Dev
.....	.....
Taskgraph	Dagger Framework
.....	.....
Closure Templates	Mockito
.....	.....

## AWARDS

**Google Travel Grants**  Aug 2017

Full scholarship to attend the Grace Hopper Celebration of Women in Tech.

**Computer Sciences Departmental Scholarship**  May 2017

Awarded by the Computer Sciences Department for academic performance and potential for future excellence.

**University of Wisconsin Grace Hopper Conference Scholarship**  Jul 2016

Full scholarship to attend the Grace Hopper Celebration of Women in Tech.

**Marion A. Hicks Scholarship**  Jan 2016

Awarded for being an academically high-achieving student in the University of Wisconsin's College of Letters & Sciences.

**Qualcomm Women's Collegiate Conference Attendee**  Jan 2016

Selected among 60 students in the US to attend a leadership conference hosted by Qualcomm for female underclassmen in computing.

## EXPERIENCE

**Google, Software Engineering Intern**

 May 2017 - Sept 2017

- Worked on the Android Google Search App/Google Now, to refine the Search experience for users with bad internet connectivity.
- Improved the app's Background-Retry feature, which retries search queries that failed due to bad connectivity and notifies the user when results are ready.
- Developed a new feature by modifying the Google Web Server code in **Java** and **C++** to enable an additional flow for processing background-retry requests, adding new data to the response it sends to the application.
- Used the **Taskgraph** and **Dagger** dependency injection frameworks in the client to request for, retrieve, and cache the new data. Processed and rendered cached data in a new custom native **Android** UI.
- Refined the message cards displayed when offline searches fail, to denote when the background-retry pending queue is full.

**Lucid Software, Software Engineer Intern**

 Jan 2017 - May 2017

- Set up a job to poll for Amazon Simple Queue Service messages and a server to handle them for Lucidchart's new billing service on AWS.
- Made requests to Amazon with the XML message body, parsed the JSON results and maintained subscriptions to Lucidchart in the MySQL databases using **Scala**.
- Created a user API request system in **Angular2** on the Lucidchart integrations page.
- Refined Lucidchart integrations with Confluence, Box and GSuite using **Scala** and **JavaScript**.

**Google, Engineering Practicum Intern**

 May 2016 - Aug 2016

- Worked on Google Drive's Share feature to refine the experience of sharing files or folders.
- Developed a new feature for Inbox, using Java, by defining and embedding Drive-Item metadata into notification emails sent to users when items are shared.
- Created a Closure Soy Template and populated its fields with a Java class. Used Gson to serialize the Java object to JSON and included it in the emails.
- Updated text displayed in Drive Share Dialog's role selector for folders by creating a field value using Protocol Buffers to distinguish folders and files, and propagating the value through the code using JavaScript before generating the desired text.

## PERSONAL PROJECTS

**Data-Driven Web Application - MovieStop**

 Nov 2017 - Dec 2017

- Built web app with user authentication levels allowing users to view, filter query results and add to database of movies, crew, production and screenings, while maintaining 7 relations.
- Used **HTML** frontend and **Python/Django** backend with **SQLite3** and Google Cloud hosting.

**Personal Website**

 Feb 2017 - May 2017

Built a website that showcases my portfolio using **Angular 2**.

**Application Development - #notification**

 Nov 2016 - May 2017

- Developed an **Android** app letting users follow and get notified for uses of Twitter hashtags.
- Used the Twitter API to request the latest tweets with the queried hashtag at regular

## LEADERSHIP AND OTHER EXPERIENCE

**Wisconsin HCI Laboratory, Research Assistant**

 Sept 2017 - Present

- Working under the guidance of Professor Bilge Mutlu on a manufacturing robots project.

**WACM (University's chapter of ACM-W), Activities co-chair**

 Sept 2015 - Present

- Mentored female undergraduates in computing to boost their involvement and motivation.
- Initiated and organized events and panels with representatives from tech companies.

**UW - Madison Libraries, Student Supervisor**

 Sept 2015 - Present

Supervised library (500+ capacity) as well as oversaw circulation staff and assigned duties.