

HAYLEE JANE MONTEIRO

608-422-9123

haylee.jane3@gmail.com

535 W Johnson St Apt 1204

Madison WI 53703

 [linkedin.com/in/hayleejanemonteiro](https://www.linkedin.com/in/hayleejanemonteiro)

 github.com/hayleejane3

EDUCATION

University of Wisconsin - Madison

Expected May 2018

GPA 3.96/4.00, Dean's List

B.S. Computer Science, Honors

Relevant Coursework:

Algorithms

Artificial Intelligence

Human-Computer Interaction (Graduate Level)

Operating Systems

Database Management Systems

Machine Organization and Programming

Cryptography

Certificate in Mathematics

TECHNICAL SKILLS

Java

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C

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C++

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Scala

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Angular 2

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JavaScript

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Linux OS

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Android Dev

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Taskgraph

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Dagger Framework

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Closure Templates

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Mockito

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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

Personal Website



Feb 2017 - May 2017

Built a website that showcases my portfolio using Angular 2.

App Development - #notification



Nov 2016 - May 2017

- Developed an Android application that allows users to follow and receive notifications for uses of Twitter hashtags.
- Used the Twitter API to request the latest tweets with the queried hashtag at regular intervals, and display notifications.

LEADERSHIP AND OTHER EXPERIENCE

Wisconsin HCI Laboratory, Research Assistant



Sept 2017 - Present

- Working under the guidance of Professor Bilge Mutlu on a project that involves robotics.

WACM (University's chapter of ACM-W), Undergraduate Officer



Sept 2015 - Present

- Improved involvement and motivation of undergraduate women in computing by holding events and mentoring sessions.
- Organized speaker events and discussions with recruiters and other 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.