

# Caroline Grace Alexander

<http://carolinegracealexander.me>  
[carolinealexander2018@u.northwestern.edu](mailto:carolinealexander2018@u.northwestern.edu)  
540-827-8630

---

## Northwestern University

Computer Science  
School of Engineering  
Class of 2018  
3.5/4 GPA

## Languages

Java  
Python  
JavaScript  
HTML  
CSS

## Skills

User-Centered Design  
Software Development  
Arduino  
Interface Design  
Database Design

## Tools

Git  
ClearCase  
Netbeans  
Unix

## Frameworks

jQuery Mobile  
AmMap API

## Accomplishments

- Boeing Achievement Award for Leadership
- Top 10 Overall Hacks and Best Use of Postmates API, Wildhacks Hackathon 2015
- Private Pilots License
- Filed Provisional Patent

## Work Experience

---

### Boeing

Software Engineering Intern

6/16 - 9/16

- Designed and built the front and back ends of a program that generates comparison files for code peer review using Java
- Held stakeholder meetings throughout the development cycle to ensure the product was customized for the users' needs

### CAMI Visualization Lab

Front End Developer

3/16 - 6/16

- Worked with another intern to restructure the user interface for displaying molecules and other images on a 3D wall in the lab, making the process more streamlined and intuitive

### Lockheed Martin

Database Development Intern

6/15 - 8/15

- Worked with users to determine requirements for a new database containing output from Nessus vulnerability scans of the FAA ERAM (Enroute Automation Modernization) network
- Designed and built the new database using Microsoft Access and SQL to compile system vulnerability scan results and analyze the data, reducing the team's process time by 93%

### U.S. Patent and Trademark Office

User Experience Intern

6/14 - 8/14

- Re-designed and rebuilt entire User Experience Division intranet website using the User-Centered Design Methodology.

## School Experience

---

### Entrepreneurship in Action

Technical Team Director

4/16 - 4-17

- Recruited heavily and doubled the team in size (from 5 to 11 members)
- The team developed four applications that went live
- Expanded team goals to developing for startups as well as internally for EPIC

### Teaching Assistant

Human Computer Interaction and Data Structures and Algorithms

1/1 - 6/1

- Taught an hourly section every week for about 30 students
- Held office hours

### Class Redesign

Human Computer Interaction

4/1 - 6-1

- Redesigned assignments to teach more concepts in greater detail.
- Created TA discussion section materials