

# ISABEL GREINER

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## EDUCATION

### University of Illinois at Urbana-Champaign

College of Engineering - Bachelor of Science in Computer Science

Dean's List – one semester

**Champaign, IL**

May 2021

Cumulative GPA: 3.78/4.00

## WORK EXPERIENCE

### Facebook

Intern

**Seattle, WA**

June 2018 – August 2018

- Built a mobile application with a team of three and in partnership with a Facebook engineer who served as my team's mentor over the course of five-weeks
- Built an application, named Appetite, through Android Studios which allowed the user to add and store food items in a virtual fridge and recommended recipes based off the amount of ingredients missing from the recipe
- Integrated a Flask (Python) backend into our application using a REST API client to store recipes, barcodes, and produce lookup codes
- Pulled and restructured recipe data from an API before running an algorithm which organized the recipes into different recommendation categories
- Structured the skeleton of the application to primarily switch between fragment which included the recipe list, food entry view, fridge, and grocery list
- Presented our application in a prototype forum to Facebook employees and peers in our program

## LEADERSHIP AND ACTIVITIES

### Computer Science in the College of Engineering

CS125 Course Assistant

**Champaign, IL**

January 2018 – Present

- Utilized VisualStudio, the OpenGL library, and the ofxdatgui library to build an interactive solar system application
- Constructed spheres of accurate size and speed, with NASA data, in a window and then parameterized their curves to allow for ellipsoidal movements
- Included features into the window such as speeding up, pausing, and playing the simulation

### Phi Chi Theta, Professional Business Fraternity

Spring 2018 Active Member

**Champaign, IL**

January 2018 – Present

- Developed professionally through resume critiques, mock interviews, case competitions, and goal planning
- Built Relationships with 24 fellow pledges and 85 actives through social and service events
- Improved public speaking through exercises including researching and presenting market trends

## PROJECTS

### Solar System Simulation

- Aided professors and TAs to tutor struggling students in a workshop outside of class
- Managed a section of office hours to answer student's questions on course work and assigned coding problems

### Naïve Bayes Digit Classifier

Spring 2018 Active Member

- Implemented a program which trained itself off a sample of handwritten digits with known values
- Using the fact that either a pixel was colored or not colored in cases that a certain digit was written the program identified unknown handwritten digit samples and attempted to classify them

## SKILLS

**Coding** – Java, C++, Android Development, Python, HTML

**Courses** – Data Structures, Computer Architecture, Discrete Mathematics, Software Design Studio