

# Fiona Thendean

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Pleasanton, CA | Pittsburgh, PA

## Education

### Carnegie Mellon University

B.S. in Statistics and Machine Learning  
Minor in Computer Science

Minor in Music

Expected May 2022

**LinkedIn:** /fionathendean

**Github:** /fionahtt

**Website:** fionathendean.me

## Skills

Java | Python | C | Javascript | R

HTML/CSS | Android Studio | Swift

iMovie | GIMP

## Coursework

Principles of Functional Programming

Principles of Imperative Computation

Algorithms & Advanced Data Structures

Statistical Computing

Advanced Methods for Data Analysis

Modern Regression

Introduction to Statistical Inference

Introduction to Probability Theory

## Experience

### CMU Reasoning with Data | Teaching Assistant | Fall 2019

- Teach weekly labs to a section of students. Grade homework and exams.

### Albertsons/Safeway Corporate | Software Engineering Intern |

June 2019 - August 2019

- Worked on the mobile development team to transform their Trickle Sales web portal into a progressive web app with HTML, CSS, Javascript, and Java.
- Created a fluid, native app-like experience in the website without the need for cross-platform app development.
- Implemented installability features, responsive designs, and services workers, which improve speed and reliability and add a custom offline experience.

### SAS | On-Campus Leader | August 2018 - May 2019

- Established on-campus connections to help promote the SAS brand and grow the community of SAS software users.
- Assisted with identification of student talent for SAS job/internship openings.
- Hosted SAS software demonstration events for student organizations (SWE, Data Science Club, Business Technology Group).

## Projects

### Colorpop | 15-112 Term Project

- Created a strategy brick popping game, including a tutorial and a timed mode. Generated levels of difficulty with backtracking. Used Python.

### PennApps | 2019

- Created inTune, an iOS application that serves as a calendar of music journal entries. Users input a song that they feel best represents their day, and can also select specific lyrics. Used iTunes API for song look-up and playback, Musixmatch API for lyrics, and Swift.

### Codeday | 2017

- Created HexFit, an Android application that determines complementary colors to an uploaded image of a clothing item by analyzing each pixel to find the overall dominant color. Used Java and Android Studio.
- Won “Most Developed Application” Award.

## Organizations

### Society of Women Engineers | 2018 - present

Jazz Vocal Ensemble | 2020 - present

## Honors and Awards

CMU Dean's List with Honors | Fall 2019

NCWIT Aspirations in Computing SF Bay Area Affiliate Award Winner | 2018

1st Place in the U.S. Open Music Competition | 2018