

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

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Github: /fionahtt

Website: fionathendean.me

Skills

Python | Java | C | Javascript | R
HTML/CSS | Android Studio | Swift
Adobe Lightroom | 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 30 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

Carnegie Mellon Informatics & Mathematics Competition | Logistics Committee | February 2019 – present

Society of Women Engineers | August 2018 – present

Jazz Vocal Ensemble | January 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