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 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

Society of Women Engineers | *2018 - present*
CM Informatics and Mathematics Competition | *2019 - 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*