Fiona Thendean

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Pleasanton, CA | Pittsburgh, PA

Education

Carnegie Mellon University
B.S. in Statistics and Machine Learning
Double Major 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
Fundamentals of Programming and CS
Statistical Computing
Advanced Methods for Data Analysis
Modern Regression
Introduction to Statistical Inference
Introduction to Probability Theory
Concepts of Mathematics
Matrices and Linear Transformations

Experience

CMU AiPEX Lab | Machine Learning Research Assistant | *present*

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*
Undergraduate Entrepreneurship Association | *2018-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*