DC

SKILLS

Languages
Java
OCaml
Javascript
CSS
HTML
Python
MySQL
R

Technologies
Linux/Unix
JUnit
Swing
Android
AWS EC2
Eclipse
Sublime

Data
Essentia
RStudio
Elasticsearch
Logstash
Kibana

EXPERIENCE

CIS 120 TA • UNIVERSITY OF PENNSYLVANIA • AUG 2016-PRESENT
Develop and teach material for weekly recitation of approximately 20 students.
Conduct one-on-one code reviews with students to reinforce best coding practices.
Hold weekly office hours for students to get help on lecture material, homework, etc.

SOFTWARE INTERN • AURIQ SYSTEMS • MAY-AUG 2016 (LINUX, RSTUDIO, ELASTIC STACK)
Wrote scripts to use Essentia, a data lake management platform, to organize raw data.
Modeled data from large public data sets on different platforms including RStudio and Kibana.
Created Essentia open data use case examples, including scripts and data analysis results.

RESEARCH INTERN • UNIVERSITY OF SOUTHERN CALIFORNIA • JUNE-DEC 2014 (ANDROID)
Implemented user activity and head movement tracking in a Google Glass Android app.
Collected data that demonstrated correlation between user movements and activities.

EDUCATION

BSE, COMPUTER SCIENCE • MAY 2019 • UNIVERSITY OF PENNSYLVANIA
Relevant coursework: Mathematical Foundations of Computer Science**;** Programming Languages and Techniques I & II in Java; Data Structures and Algorithms**;** Automata, Computability, and Complexity; Javascript; Algorithms II (IP)

PROJECTS

BATTLESHIP GAME • MAY 2016 (JAVA, SWING)
Created a Battleship game in which users play against an enemy AI on 2-D gameboard.
Includes real-time status display and leaderboard, incorporates complex search, file parsing and I/O.

OHQ: OFFICE HOURS QUEUE • SEP 2016 (JAVASCRIPT, CSS, HTML, FIREBASE)
Built an office hours queue web application at PennApps.
Implemented backend: real-time database of students in queue and estimated wait time for each.
TAs can view students and their questions, and mark them as in progress or remove them from queue.

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