



DOROTHY CHANG

SOFTWARE ENGINEER | UNIVERSITY OF PENNSYLVANIA '19
DOROTHYCHANG.CO

OBJECTIVE

Seeking a challenging and fulfilling career in software engineering.

SKILLS

Java
OCaml
CSS
HTML
Python
Javascript
SQL
R

TECHNOLOGIES

Linux/Unix
JUnit
Swing
Android Studio
RStudio
AWS EC2
Elasticsearch
Logstash
Kibana

EXPERIENCE

CIS 120 TA • UNIVERSITY OF PENNSYLVANIA • AUG 2016-PRESENT

Develop and teach material for weekly recitation of more than 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 application. Created test cases and used application to collect data.

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; Discrete Probability, Stochastic Processes, and Statistical Inference (IP); Algorithms II (IP)

PROJECTS

BATTLESHIP GAME • MAY 2016 (JAVA, SWING)

Created a Battleship game in which users play against an enemy AI. Users can place their own battleships on the game board. Includes real-time status display and leaderboard. Built using Java and Swing, and incorporates complex search, file parsing and I/O.

DECISION MAKER • FEB 2016 (JAVA, SWING)

Created a decision maker application at Femmehacks. Users are prompted for choices and a random decision is generated. Built using Java and Swing, incorporates randomization.



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