Dorothy Chang

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WORK AND INTERNSHIP EXPERIENCE

University of Southern California

Research Assistant/Intern   June 2014 - December 2014

- I used Google Glass to collect data on user activity using an Android application that I also helped debug and test.

AuriQ Systems

Software Engineer Intern   May 2016-Present

- I compiled open data sources and adapted Essentia, a data management and analytics software, to be compatible with numerous public datasets, including climate projections and census data.

PROJECTS

PhotoSort

Currently developing photo organization app, written in Java, to help users organize shopping lists, laundry, etc. Users can categorize selected photos from gallery or use the camera from within the app.

Battleship Game

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

Decision Maker

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

EDUCATION

University of Pennsylvania Class of 2019

Candidate for BSE in Computer and Information Science

- Cumulative GPA: 3.56/4.0
- Relevant coursework: Mathematical Foundations of Computer Science; Programming Languages and Techniques I & II in Java; Data Structures and Algorithms; Automata, Computability, and Complexity; Javascript

Arcadia High School Class of 2015

- Cumulative GPA: Unweighted 3.92/4.0, Weighted 4.25

EXTRACURRICULAR ACTIVITIES

PennApps Sponsorship Team

Sponsorship Coordinator   October 2015 - Present

- Communicate and partner with both former and new corporate sponsors to coordinate funding and sponsorship for PennApps, the largest student-run hackathon in the country.

FemmeHacks Sponsorship Team

Sponsorship Coordinator   April 2016 - Present

- Communicate and partner with both former and new corporate sponsors to coordinate funding and sponsorship for FemmeHacks, an all-women hackathon for college students.

University of Pennsylvania

CIS 120 TA   May 2016 - Present

- Teach programming concepts and create lesson material for weekly recitation. Hold regular office hours where students can ask questions about the material and get homework help.

SKILLS

Object-oriented principles and program design, web development debugging, unit testing (JUnit)

TECHNOLOGIES

Java, OCaml, Swing, Android, Python, Javascript, CSS, HTML, SQL