Chaofeng Zhou

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OBJECTIVE

Seeking a Software Engineer intern position at EchoStar in the summer of 2016

EDUCATION

University of Utah, Salt Lake City, UT   1/2013 - 12/2016 (expected)

Bachelor of Science in Computer Science   **Cumulative GPA: 3.90/4.00**

Selected Courses: Object-Oriented Programming, Algorithms and Data Structures, Discrete Structures, Software Practice, Computer Organization, Computer Graphics, Database Systems (ongoing), Web Software Architecture (ongoing)

QUALIFICATION

- Languages: Java, Python, C#, JavaScript, HTML/CSS, SQL
- Technologies: jQuery, MongoDB, Express, AngularJS, Node.js, D3.js, ASP.NET
- Workflow: Linux, OS X, Git, Trello, Android Studio, Yeoman, Bower, Gulp

WORK EXPERIENCE

Undergraduate Research Assistant   8/2014 - Present

Scientific Computing and Imaging Institute, University of Utah, Advisor: Prof. Yarden Livnat

Project: Alterations of Student Majors, an interactive tool visualizing switches of student majors

- Wrote Python scripts to operate basic data manipulating and analysis from raw data files
- Implemented an interactive webpage frame with HTML/CSS and JavaScript
- Visualized the flows of students changing majors using Chord and Sankey layout with D3js

Project: CommonGround, a web based visual analytic interface for bio-surveillance

- Configured and maintained Neo4j, a graph database, on openSUSE
- Wrote Python scripts to manipulate data files, e.g., rearranging the data in multiple csv files
- Developed a Java program with Neo4j official API to import data into Neo4j
- Established HTTPS communication between the database server and clients

SELECTED PROJECT

Utah Air Quality Visualization Interface   10/2015 - Present

- Wrote Python scripts to concatenate 14-years data files and stored valid data into MongoDB
- Applied Bootstrap and jQuery to organize and implement the webpage layout and interactions
- Visualized the scales of air pollutants in Utah counties on a map generated by GeoJSON file with D3js

AWARDS

2nd Place at Microsoft Campus Code Competition   9/23/2015

University of Utah, Salt Lake City, UT