Joshua Allen Perry

Seattle, WA 98155 • (281) 901-0109 • j@perry.sh • http://perry.sh

EDUCATION

Bachelor of Science in Computer Science　　　　　　**June** 2015 - **May** 2018
University of Houston

Minor in Mathematics
3.15 GPA

COURSES

Design of File and Database Systems	Software Design
Graph Theory with Applications	Data Mining
Digital Image Processing	Statistics

LANGUAGES

Skilled in Python, ES8 JavaScript, HTML5, SQL
Coursework in C++, Java, R, MATLAB

EXPERIENCE

Undergraduate Research Assistant　　　　　**February** 2016 - **April** 2016
University of Houston Computational Physiology Lab

- Collected and correlated academic research metadata from Web of Science, Google Scholar, and Microsoft Academic Graph
- Used XML Path Language to parse university websites and extract the names of colleges and faculty members
- Cleaned and formatted data to build a SQL database later used in social network analysis and data visualization research

REU Summer Researcher　　　　　　　**June** 2016 - **August** 2016
National Science Foundation

- Used Python to perform citation analysis on Microsoft Academic Graph
- Assigned subject labels to citations in journal articles by correlating several large data sets and correcting for missing data
- Devised a metric to quantify the interdisciplinarity of a scholar's research
- Used D3.js to create a color gradient visualization of the metric
- Analyzed the relationship between interdisciplinary research and the prolificacy of academic careers

LEADERSHIP

Officer: Webmaster　　　　　　　　**October** 2015 - **May** 2016
IEEE Natural Sciences and Mathematics