

# Evan Fouche

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## *Education*

### **Rensselaer Polytechnic Institute (RPI)**

Troy, NY | December 2016

B.S. Computer Science | B.S. Design, Innovation & Society

## **Campus Involvement**

Design for America (DFA) 2014-2015

Snowboarding Club 2014-2015

Lambda Chi Alpha Fraternity

## *Work Experience*

### **Undergraduate Research in Data Exploration**

Experimental Media and Performing Arts Center at Rensselaer

Troy, NY | May-August 2014

Explored current forms of data representation and analysis.

Discussed possible techniques for exploring big data sets to find emerging properties.

Assisted in the development of Field 2 software, supported by the OpenEndedGroup.

### **Data Parsing**

October 2015

Freelance work for a reporter based in NYC attained through quadjobs.com.

Received hundreds of pages of campaign donation documents in scanned pdf format.

In charge of writing a Python script to parse data from the documents and format information into CSV. Deleted pdf files upon request once work was completed.

## *Relevant Course Work*

### **Data Structures**

Constructed C++ programs to complete exercises inspired by real-world problems, demonstrating strong problem solving skills. Analyzed the performance of algorithms and data structures. Learned to select and use the most appropriate data structure from the C++ standard library (STL) for a particular programming task. Designed and implemented efficient customized data structures.

### **Algorithms**

Designed, implemented and analyzed algorithms for problems in Science and Engineering.

Learned different Algorithmic Paradigms and techniques for analyzing the algorithms, and learned efficiency both in design and implementation.

### **Operating Systems**

Analyzed operating systems by designing and implementing both simulations and analytical models, the former via Python. Implemented specific operating system constructs in C on a Linux platform to create real-world systems-level programs and applications.

### **Interactive Visualization**

Explored and discussed techniques for displaying data in a meaningful way.

Completed course work involving stages related to the visual display of data, from mining and organizing data for use to designing and critiquing working digital displays.

I developed a visual display of my personal digital music collection written in Python and Javascript, accompanied by a final report discussing my process.

## *Skills and Interests*

C, C++, Python, R  
HTML, CSS, Javascript  
openFrameworks

Adobe Illustrator, Photoshop  
Sketching, Prototyping, Wireframing  
Art with Code -check my recent instagram posts!