

Joseph Stahl

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About Me

I'm a medical student, recently graduated from Vanderbilt University with a Computer Science degree. I have a strong interest in applying computer science to medicine through research and education and enjoy writing new software in my spare time.

Professional Profile

Programming Languages: JavaScript & Typescript (Full Stack)

- Built a Solitaire webapp with React, ES6, Webpack, Express, MongoDB & Mongoose, and Jade/ Pug
- Built a desktop application for visualizing Twitter followers with Electron and Cytoscape.js, then ported to Android and iOS using Apache Cordova.

Programming Languages: Python

- Used Python and scikit-learn to train an algorithm to predict recessions based on economic indicators including housing, employment, and consumer price index
- Have also used SQL, Hadoop, and PySpark in data projects

Programming Languages: C++ and Java

- Written C++ applications for Windows and Linux
- Written Java applications for Windows, Linux, and Android
- As a TA for the "Advanced Android Concurrency" class at Vanderbilt, I help teach Java and Android programming

Google Summer of Code & Cytoscape Consortium

- Accepted to the Google Summer of Code program for Summer 2016 and worked on tutorials for Cytoscape.js (software for visualizing graphs)
- Accepted an invitation to continue working for Cytoscape.js following my successful completion of the Summer of Code program
- Projects with Cytoscape.js have included writing several tutorials (getting started, animated graphs, drawing a social network, making desktop and mobile apps) and new features for the 3.1 release

Volunteering, Service, Extracurriculars

- Volunteer at the Vanderbilt Ingram Cancer Clinic, August 2016 – May 2017
- Treasurer for Vanderbilt Habitat for Humanity, August 2015 – May 2017
 - Served on the Junior Executive Board, August 2014 – May 2015
- Played alto saxophone (2013 – 2016) and served as a drill instructor (2016) in the Spirit of Gold Marching Band

Research

- Worked at UAB during Summer 2014 on a retrospective analysis of colorectal cancer

Work History

May 2014 – August 2014, Researcher, UAB Department of Surgical Oncology, Birmingham, AL

May 2016 – Present, Developer, Cytoscape Consortium, Remote

January 2017 – May 2017, TA & Grader, Vanderbilt University, Nashville, TN

Education

August 2013 – May 2017: Vanderbilt University, Nashville, TN

- BS in Computer Science
- Minor in Chemistry
- GPA: 3.59; Dean's List for 2014S, 2015F, 2016S, 2016F, 2017S