

JONATHAN FREY

CONTACT

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JonathanFrey 

EDUCATION

University of Southern California
Los Angeles, CA
B.S. Computer Science
Expected May 2018
GPA: 3.86/4.0

SKILLS

Languages (Proficient)

C++, Java, C, HTML5,
CSS3, JavaScript, Python, SQL

Languages (Familiar)

Ruby, Bash, R, C#, PHP, Sass

Libraries/Framework

Node.js, Hadoop, Hbase,
React, Mahout, AngularJS, Rails

HONORS

Trustee Scholarship

University of Southern California

Viterbi Undergraduate Fellow

University of Southern California

W.V.T. Rusch Honors Program

Viterbi School of Engineering

RELEVANT COURSES

Computer Networks, Artificial
Intelligence, Computer Organization
and Architecture, Algorithms and
Theory of Computing, Software
Engineering, Computer Graphics,
Operating Systems

EXPERIENCE

Course Producer

USC Viterbi School of Engineering - Los Angeles, CA
August 2015 - Present

- Act as a T.A. for Introduction to Computer Science and Data Structures and Object Oriented Design
- Hold office hours, supervise lab sessions, and grade assignments and exams for hundreds of students each semester
- Write grading scripts and Google Test unit tests for assignments

Software Engineering Intern

Bloomberg L.P. - New York City, NY
May 2016 – August 2016

- Created a content-based recommender for bloomberg.com
- Employed techniques of collaborative filtering and machine learning to determine recommendations
- Utilized Apache Hadoop and Hbase to process very large datasets consisting of millions of users and articles

Research Assistant

USC Interaction Lab - Los Angeles, CA
August 2014 – May 2015

- Assisted with a project about social spacing in human-robot interaction
- Conducted experiments with human participants and analyzed data about their interactions with robots using R
- Funded through USC Merit Research

INVOLVEMENT

Corpus Collosum

August 2015 - Present

- Create interactive installations combining principles of art, science, and technology
- Helped to create a game in which a player interacts using sound