John Thomas Echols

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Github: github.com/jtechols

Education

University of California, Berkeley   **Expected Graduation: May 2018**

B.S. Bioengineering,   *3.0 GPA*

Minor in Electrical Engineering and Computer Sciences

Relevant Course Work: Bio-mechanics, Instrumentation in Biology and Medicine, Biological Transport Phenomena, Information Devices and Systems

Leadership and Extracurricular Activities

University of California Marching Band   **August 2014 - Present**

Berkeley, CA

Student Director   *January 2017-Present*
- Lead of team of 6 members who together are responsible for all musical aspects of the 250 person organization.
- Plan and coordinate with clients in order to facilitate over 100 performances throughout the bay area.
- Lead and Conduct the band during rehearsals as well as at all football and basketball games.
- Coordinate with the Athletic Department in order to create an exciting fan experience at sporting events.
- Member of the 5 person Executive Committee responsible for planning band events, addressing issues the band faces, and working with the university to create a positive public image.

Musical Activities Committee   *January 2016-January 2017*
- Coordinated and facilitated the musical aspects of band rehearsals.
- Planned and ran trips to other universities for away football games.
- Led the band at performances such as sporting events, weddings, and university events.

Computer skills (comfort level in parenthesis)

Languages/Frameworks:: Python (5/5), Java (5/5), C (3/5)

Web:: HTML5 (5/5), CSS3 (4/5), Django (3/5), jQuery (2/5)

Software:: Git (3/5), LaTex (3/5), Microsoft Excel (2/5), COMSOL(2/5)

Projects

Class Projects
○ Basic Text Editor written in Java using the JavaFX Library

○ Web application Map of Berkeley written in Java

○ Voice controlled toy car, including front end circuit design and back end control scheme and signal processing

Personal Projects
○ Personal website, www.johntechols.com

○ Newman Fantasy League, a web-based, fantasy football-style game for the members of the University of California Marching Band.

○ Now That's What I Call Trivia!, a trivia web app related to the NOW That's What I Call Music album series. www.nowthatstrivia.com