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The University of Kansas  
B.S. in Computer Science  
GPA: 3.68/4.00

## Experience

### Software Engineering Intern - Health Maintenance Team | Cerner (Summer 2016)

Develop enhancements and features for the Immunizations MPages web application using Javascript and Drools. Participate in daily scrums and sprint planning meetings. Utilize JIRA/FishEye for issue tracking and SVN for version control. Create and perform code reviews using Crucible. Develop and verify unit tests using Jasmine.

### Software Engineering Intern | Garmin (Summer 2015)

Investigate and implement bug fixes for multiple consumer automotive GPS devices over an extensive C/C++ codebase. Utilize Microsoft Visual Studio for development, perform code reviews using Gerrit, and Github for version control. Test and verify fixes through on-the-road and simulated driving tests.

### Freelance Developer | RedTire, University of Kansas Medical Center, Daniel Energy Resources (Spring 2015 - Present)

Develop a variety of web-based applications for clients across multiple industries. Projects include: responsive application forms (HTML/CSS, PHP), a Directional Drilling Analytics Dashboard (MySQL, NodeJS/Express React), and RightSite, a mobile application for accurately labeling biopsies (React Native).

## Projects

### LED Soundsystem\* | EECS 700 Final Project

Develop a RESTful API using NodeJS and Express and contribute to an iOS/Apple watch application, which measures user heart rate during different songs. Mobile application uses the Apple HealthKit and Spotify APIs to send song and heart rate data to the Express server for analysis and visualization.

### Personal Website\* | etnichols.com

Designed and developed a personal website using GatsbyJS, a React-based static website generator. Site includes project portfolio and articles about different programming topics. Utilized Github pages for hosting, Namecheap for custom domain support and SASS for styling.

### Managr - Project Management Dashboard | EECS 581 Capstone Design Project

Collaborating with a team of four senior CS students to develop a web dashboard for large-scale construction projects. Application will include a project manager dashboard, a client-facing dashboard, and a mobile application for on-site construction workers. Application uses React, React Native, and PostgreSQL.

*\*project code available at [github.com/e-nichols](https://github.com/e-nichols)*

## Involvement & Honors

- SELF Engineering Leadership Fellows Scholarship Program
- ACM, Association for Computing Machinery
- KU Mortar Board - Torch Chapter
- President | Beta Theta Pi (2014 - 2015)
- Marketing Director | KU Energy Club (2013-2014)
- Dean's Honor Roll | KU School of Engineering (2013-2015)
- KU Rising Student Scholarship Recipient

## Languages & Software

- Javascript (React, React Native, Ionic)
- C++
- HTML/CSS
- Git/SVN
- R
- Sketch
- Adobe InDesign, Photoshop, Illustrator CS5/CS6