SHELBY STOCKER

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EDUCATION:

BS in Computer Science, Mathematics Minor
University of Kentucky
Projected Graduation: December 2019
Current GPA: 3.87

SKILLS:

- C, C++, Java, Groovy, Python, PHP, JavaScript, R, Bash, Answer Set Programming, Matlab
- HTML, CSS
- Gringo, Clasp, Clingo
- Git, Github, Bitbucket
- Gradle/Bazel
- Node.js
- Open Authorization 1.0/2.0
- Linux, MacOS, Windows
- IntelliJ IDEA, Atom, Vim, Visual Studio
- GDB
- Postman
- REST API's
- Microsoft Excel, PowerPoint, Word

RELEVANT CLASSES: Web Programming, Systems Programming, Honors Algorithm Design/Analysis, Graphics and Multimedia, Logic and Theory of Computing, Design of Logic Circuits, Linear Matrix Algebra, Discrete Mathematics

EXPERIENCE:

- *Software Engineer Intern, Lexmark* *Summer 2018*
  Extended the Cloud Connector to include an integration with Evernote by creating a new back end micro-service which allows Lexmark printer users to directly print from/scan to their Evernote account.
- *Research Assistant, Computer Science, College of Engineering* *Spring 2018-Current*
  Work with Dr. Truszczynski, Project Manager, on grant funded study of preference representation and reasoning including elements of knowledge representation, declarative programming, and decision theory through Answer Set Programming.
- *Undergraduate Grader, UK College of Engineering, Lexington, KY* *Fall 2017-Current*
  Grade freshman coursework for EGR 101, 102, and 103 via Canvas according to a rubric for each assignment.

PROJECTS:

- *Image Morphing Application (Java)*
  Created an application that produces a morph between two images. Users can import images, change control point resolution/color/transparency, modify image brightness, adjust morph speed/frames per second, and swap images.
- *Server and Client (C)*
  Created a server with four client applications that can set a variable (internally to the server) to that value, return the value of a variable if it exists, return the result of the invocation /bin/echo value | /usr/bin/sha256sum, or run a program and send the first 100 bytes of output to the client.
- *Shell to Execute Linux Programs (C++)*
  Created a shell that allows users to execute Linux programs. Users can set variables, execute programs normally or in the background, and run a program with output directed into a variable.

ACTIVITIES:

- Ambassador for Lewis Honors College, *2017-2018*
- Society of Women Engineers, *2016-Current*
- Kappa Delta Sorority *2016-Current*
- Association for Computer Machinery - Women, *2018-Current*

AWARDS:

- University of Kentucky Presidential Scholarship
- Thomas Lester Scholarship, College of Engineering
- Valedictorian of 2016 high school graduating class; rank 1 of 407
- University of Kentucky Honors College