Katie Schaffer | Full-Stack Developer

(636) 634-0766
KatelynR.Schaffer@gmail.com

EDUCATION

Bachelor of Science, Computer Science, 2017
Lindenwood University (St. Charles, MO)
Minor: Mathematics
GPA: 3.76
Student Involvement:
- Computer Science Club President, 2016-2017
- Jazz Band (2nd Alto Saxophone), 2013-2014
- I.T. Support Staff, 2013-2017
- Honors College and Dean's List, 2013-2017

EXPERIENCE

Boeing Phantom Works – *Software Engineer*
June 2017 – Present
Developed internal software for the Survivability Technology team.
- Developed new data visualization and automation tools in .NET for radar cross-sections and other radar data used by physicists and engineers.
- Maintained and upgraded legacy desktop applications in C++ and C#. Redesigned GUIs to significantly improve user efficiency.

Boeing Phantom Works – *Software Engineer Intern*
May 2016 – August 2016
Summer internship on the Survivability Technology team.
- Developed a new desktop application in C++ and OpenGL to visualize infrared environment data in 3D graphics.
- Refactored a Fortran application into C++ and designed a GUI for it in Qt.

Edward Jones – *Information Systems Intern*
June 2015 – August 2015
Summer internship on the IS Quotes team.
- Updated Java web applications, increasing usability and conformity to code quality standards.
- Wrote unit tests and packaged changes, shipping a release through the Continuous Integration process

Self-Employed – *Freelance Web Designer/Developer*
April 2013 – May 2015
- Collaborated online with clients including PlanHammer.io and Six Sycamores, LLC., contributing to their front-end web apps and designs.
- Redesigned webpages to improve user-friendliness and solve UX/UI issues

PROJECTS

CompSci Workshops   Jan 2016 – May 2017
Presented talks on version control (git) and Text-To-Speech history/application at college Computer Science Club. Invited/hosted guest speakers from local companies.

Archaeological Site Mapper   Jan 2017 – May 2017
Senior capstone group-project. Web application for plotting historical sites.

Kampus, LLC   Mar 2014 – Jan 2015
Social media project for college students to connect with classmates, collaborate on school projects, evaluate classes and professors, and buy/sell study materials.
- Designed website landing page and new user interface for sign-up portal.
- Built a web dashboard for business partners to manage accounts and create discount/coupon notices for sharing via the Kampus app.

SKILLS

Languages
C#, JavaScript, C++, Java, Python, PHP, HTML, CSS

Design
Walking CSS encyclopedia, Bootstrap, jQuery, UX / UI design intuition

Libraries / Frameworks
.NET, NodeJS, Qt, OpenGL, Django

Databases
MySQL, MongoDB

Tools
bash, vim, git, npm, Maven, Jenkins, Sonarqube, Raspberry Pi, Apache, NGinx, IaaS (Digital Ocean), VirtualBox, DOSBox

Other Software Experience
GIMP (Photoshop), Audacity, Inkscape, Corel Draw, LightRoom / DarkTable

RELEVANT COURSES
Algorithms, Assembly, Compilers, Media Design, GUI Apps, Data Structures, Database Systems, Linear Algebra, Advanced Math, Discrete Math, Operating Systems, Computer Architecture, Graphic Design, Calculus I/II/III, Physics I/II

INTERESTS
- *Telecommunications / The Internet*
- *Web applications*
- *Computer Networks*
- *Data privacy*
- *History of technology*
- *Art / Design / 3D*
- *Old music*
- *Old video games*
- *(Ham) Radio*
- *Graduate studies*