

# Lauren Li

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## EDUCATION

### University of North Carolina at Chapel Hill

M.S., Information Science, May 2018  
UNC Master of Science in Information Science Program

B.S., Radiologic Science, May 2012  
UNC Radiologic Science B.S. Program; GPA 3.59

## SKILLS

- Programming: HTML5, CSS3, JavaScript, TypeScript, PHP, SQL, Java, Python
- Open source contributions via GitHub; Development in Windows, Mac, and Linux environments
- User Interface/User Experience (UI/UX) design and usability evaluation; Scaled Agile Framework
- Electronic health record (EHR) systems knowledge; Allscripts Professional EHR troubleshooting

## INFORMATICS EXPERIENCE

### Front-End Developer, IBM, Research Triangle Park, NC Sept. 2018 – Present

- Develop software for IBM integrated development environment (IDE) solutions using TypeScript, JavaScript, and Java while applying design thinking and Agile principles.
- Serve as a Core Committer to contribute, review, and merge code/documentation on GitHub for the open source Zowe Explorer Visual Studio Code extension, which provides IBM z/OS mainframe GUI interaction.
- Create and maintain customer-facing product Documentation and About sites using HTML5, CSS3, and JavaScript, and contribute technical documentation.

### Web Database Developer-Research Assistant/Technician, UNC-CH, Chapel Hill, NC Jan. 2018 – Jun. 2018

- Developed an online video database for the Folktale Storytelling Digital Library (FSDL) using UNC's web application development platform (based on Red Hat's OpenShift software) and a bootstrap framework.
- Used HTML5, JavaScript, and CSS3 to develop a responsive search interface while integrating usability and accessibility principles, and connected the database using PHP and SQL.
- Implemented functions for users to search, view, add, and delete records.

### Visualization of PGHD for Clinical Care (Master's Project), UNC-CH, Chapel Hill, NC Aug. 2017 – Apr. 2018

- Researched the gap between patient-generated health data (PGHD) that are currently collected, versus formats of PGHD that would be useful to healthcare personnel at an internal medicine clinic.
- Developed and executed protocols for observations and surveys of healthcare personnel needs.
- Created an interactive prototype system to visualize PGHD based on the user research.
- Designed and conducted a usability evaluation of the interactive prototype.

### Usability Evaluation of Department Website (Project), UNC-CH, Chapel Hill, NC Sept. – Dec. 2016

- Tested usability of website for UNC's School of Information and Library Science as a group project.
- Designed and conducted a task-based usability evaluation using techniques such as click analysis, surveys (including the System Usability Scale), and semi-structured interviews.
- Presented evaluation results and contributed to the final report submitted to the department.

### Allscripts EHR Support Consultant, Apex Systems, Raleigh, NC Feb. - May 2015; Oct. 2015 – Jan. 2016

- Provided level 2 technical support for Allscripts Professional EHR application in the areas of product functionality, performance, system configurations/setup, and bugs/enhancements.
- Analyzed and resolved client questions/ issues, maintaining detailed documentation to log troubleshooting.
- Used Microsoft SQL Server to gather additional case information and correct data when necessary.

### Intern, Health Level 7/Sparx Systems, Chapel Hill, NC Sept. 2014 – Jun. 2015

- Developed a software program to compare and demonstrate differences between multiple versions of EHR system requirements drawn from the Health Level 7 EHR standards.
- Performed validation testing on the software program and created product documentation.

### Volunteer Research Assistant, UNC-CH/RTI, Chapel Hill, NC Apr. – Nov. 2014

- Created wireframes, use cases, and UI mock-ups to describe the layout, workflow, and design for different pages of the Self-Generated Health Information Exchange (SGHix) website.
- Designed and conducted a pilot study to evaluate usability and gather feedback on SGHix.
- Communicated with web developers from Promantus to implement and revise UI/UX components.

## HONORS

- IBM Open Source Recognition Award - Open Source Significant Contributor (Oct. 2019, Nov. 2021)
- IBM JumpStart New Hire Developer Hackathon Judges' Award (Mar. 2019)
- Michael Hooker Graduate Fellowship in Applied Networking (May 2016)
- NCHICA eHealth Transformation Challenge Second Prize & Validic mHealth Bounty (Apr. 2015)