Peng-Yuan (Emily) Huang

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Software Engineer, Intern/Co-Op

PROFILE

- Motivated full-time Computer Science Student seeking an internship/co-op to develop systems, write programs, create web applications, and build servers as part of a team to support global users.
- Demonstrated software engineering experience applied to designing and customizing website applications for digital collection displays, search capabilities, publications review, and user interface for individuals and small business.
- Collaborative team member seeking opportunities to create connections through creative applications and products, software development, and growth of a global platform to bring people throughout the world together.

STRENGTHS

- Programming
- Problem-Solving
- Complex Critical Thinking
- Software Engineering
- Mobile Applications
- Creativity & Adaptiveness
- Web Applications
- High-Impact Contributor
- Able to Work in High-Volume Setting
- Written & Verbal Communication
- Interpersonal Relations
- Collaborative Team Member

TECHNICAL SKILLS

- Java
- Python
- HTML
- CSS
- JavaScript
- C#
- SQL
- C++
- jQuery
- Bootstrap
- Android
- Git
- Node.js
- React.js
- MongoDB
- Mongoose
- RESTful
- JSON
- PHP (Familiar)
- GitHub Profile (click)

EXPERIENCE

Digital Collections and Metadata Specialist   2019 – Present
Sul Ross State University   Alpine, TX

- Design and customize the University's display digital collections website, saving users time in research outcomes.
- Added website functionality (e.g. featured collections display, search box, adding a branded designed footer) to improve efficiencies and effectiveness through enhanced user interfaces.
- Redesign the format on the search page, collections pages, and the item pages to improve user-friendliness.
- Perform on-site maintenance and systems updates to ensure 100% compliance to program specifications.
- Build and manage digital collections to increase preservation efforts of materials from Archives of the Big Bend.
- Improve and maintain the library website, resolve technical problems, assist with large-scale coding, etc.
- Utilized HTML, CSS, JavaScript, Bootstrap, and jQuery to solve problems with general services.
- Improve link consistency and stabilization to enhance performance (https://digitalcollections.sulross.edu/).

Reference Assistance (Practicum)   2017
University of Wisconsin – Madison Law Library   Madison, WI

Archives Assistant (Volunteer)   2016 – 2017
Wisconsin Center for Film & Theater Research (WCFTR)   Madison, WI

Metadata Assistant   2016 – 2017
University of Wisconsin – Digital Collections Center   Madison, WI

EDUCATION

Bachelor's Degree – Computer Science   Auburn University (Alabama) *Dean's List – 4.0 GPA* 2018 – Present
Master of Library & Information Studies   University of Wisconsin – Madison (Wisconsin)   2017
Master of Laws   University of Southern California (Los Angeles)   2014
Bachelor of Laws   Chinese Culture University (Taipei, Taiwan)   2011

RELATED PROJECT WORK

- Personal website: https://emily61268.github.io/personal-web/
- Used Visual Studio, C#, and SQL to build a simple web browser that included basic functionality, such as navigating to previous/next page, refreshing a page, bookmarking, etc. (see demo here: https://www.youtube.com/watch?v=AXT7y0U3zS0)