

ZEYA PENG

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EDUCATION

Cornell University

Information Science, MPS

December 2019 Expected

Ithaca, NY

- Relevant courses: Introduction to Analysis of Algorithms

Zhejiang University

Psychology, B.S; Digital Media Technology, Minor; GPA: 3.65/4.00

June 2018

Hangzhou, China

- Relevant courses: Data Structures, Database Systems, Computer Graphics, Computer Vision

WORK EXPERIENCE

Harmony Cloud Technology

May 2018 - July 2018

Front-end developer Intern in Application Performance Monitor(APM) Website

Hangzhou, China

- Collaborated with PM and designer to extend core features on APM website front-end, using AngularJS, CSS and visualization library; built REST API with ExpressJS, connecting to MySQL and back-end service.
- Refactored front end with ReactJS and LESS(CSS preprocessor) to address performance issues, downsizing UI components code base by over 50 percent.

Cascade Lab, CS at University of Illinois Urbana-Champaign

July 2017 - September 2017

Research Intern in Cubicle: A Visuospatial Training Game

Urbana, IL

- Designed and built 2 analytics-driven 3D games using Unity3D in C# to train visuospatial skills; study of 10 participants showing strong correlation between game performance and spatial skills.
- Built the API for game map, enabling efficient iteration on game modules.

SELECTED PROJECTS

Library for Material Design Button on Vue 2.5, Independent Project

September 2018 - Present

- Created Button component with Material Design Motion (Tweening, Fading, Shared Transformation, etc.).

SecurityCentral, MPS Capstone Project

August 2018 - Present

- Designed UX and implemented web front-end of RedHat's Open Source web project using Patternfly Framework and ReactJS, which guides users to fill out security reports and help security officers to track supervision work.
- Collaborated with back-end to build input validation and comment system.

NewsViz, Independent Project

July 2018 - Present

- Developed back-end of a meme-sourcing mobile Web App to pull out and cluster headline articles from Internet, using Django and Elasticsearch; analyzed language to detect changes on wordings and tones.

MiniSQL, Database Systems Course Project

April 2017 - July 2017

- Led in a team of four to construct relational database management system (RDBMS) using C++. Implemented simplified SQL standard, supporting syntax interpreter, storage buffer and index operations by B+ tree.

PUBLICATION

Xiao, Z., Wauck, H., **Peng, Z.**, ... Fu, W. T. (2018). Cubicle: An adaptive educational gaming platform for training spatial visualization skills. In Proceedings of the 23rd International Conference on Intelligent User Interfaces (pp. 91-101). ACM.

SPECIALIZED SKILLS

Programming Languages JavaScript, TypeScript, C/C++, C#, Python, Java, SQL

Development Skills HTML5/CSS3, LESS, SASS, ReactJS, VueJS, AngularJS, ExpressJS, jQuery
OpenGL, OpenCV, Three.js

Tools Git, Node.js, Elasticsearch, MySQL, Visual Studio