# Zeya Peng

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## EDUCATION

**Cornell University**
College of Engineering
Information Science, MPS
Expected Grad. December 2019

**Zhejiang University**
Grad. June 2018
Psychology, B.S
Digital Media Technology, Minor
Cumulative GPA: 3.65/4.00

## 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

## COURSEWORK

Intro. to Analysis of Algorithms
Data Structures
Database Systems
Computer Graphics
Computer Vision
User Experience & Software
Development Studio

## ACTIVITIES

Qiushichao Website Product
Manager@ZJU
Global Game Jam '18@Shanghai

## EXPERIENCE

**Red Hat, Inc.**                    August 2018 - December 2018
Graduate Software developer & UX Specialist            Ithaca, NY
- Implemented web front-end of RedHat's Open Source web project, SecurityCentral, using ReactJS, improved UX in the workflow of users filling out security reports and security officers tracking supervision work.
- Collaborated with back-end to build input validation and comment system.

**Harmony Cloud, Co. Ltd.**            May 2018 - July 2018
Front-end developer Intern                    Hangzhou, China
- Extended core features on web front-end, using AngularJS, CSS and visualization library; built REST API with ExpressJS, connecting MySQL and ElasticSearch.
- Refactored front-end with ReactJS and LESS(CSS preprocessor), improving scalability and performance and downsizing UI components code base significantly.

**Cascade Lab, UIUC**            July 2017 - September 2017
Research Intern at University of Illinois Urbana-Champaign      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.

## PROJECTS

**Library for Material Design Button on Vue 2.5**
Created Button component with Material Design Motion (Tweening, Fading, Shared Transformation, etc.).

**NewsViz**
Led back-end development of a meme-sourcing mobile Web App to pull out and cluster headline articles from Internet, using Django and ElasticSearch.

**MiniSQL**
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.