

Puran Zhang

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EDUCATION

Cornell University, Ithaca, NY SPRING 2017
Master of Professional Studies (MPS), Information Science

University of Richmond, Richmond, VA FALL 2012 - SPRING 2016
B.S., Mathematics & B.S., Psychology, Minor in Computer Science Cum Laude, Mathematics: 3.92

Relevant coursework: Operating Systems; Intro to Computer Graphics (Spring 2017) • Database System • Algorithms • Operations Research • Numerical Analysis • Abstract Algebra

RELEVANT PROJECT

MPS Project - “Keep talking or explodes”, Cornell University FALL 2016

- Led the team and implemented a real-time web-based [messaging app](#) with Node.js and Socket.io, which allows researchers to modify features such as “is typing” indicators.
- Designed the user interface of the messaging app with HTML5/CSS3.
- Modified the C# core code of the game [ktane](#), which allows researchers to generate customized bomb for studies.

Natural Language Processing, Cornell University FALL 2016

- [Question Answering System](#)
 - Integrated logistic regression model that trained and extracted candidate answers.
- [Word Embedding in Topic Classification](#)
 - Trained word clusters by applying mini-batch k-means algorithm on a google news word2vec model.

Human-Computer Interaction - “Go Healthy”, Cornell University FALL 2016

- Led and managed the “User-centered design” process for designing a nutrition-based food recommendation app that followed the *CHI 2017* guideline.
- Implemented Hi-Fi prototype using Sketch and [InVision](#).

Online RPG game, a classwork extension project SPRING 2016 - PRESENT

- Implemented login/register page (check mal-input and interact with back-end database with PHP).
- Built partial battle page/functionalities with PHP and AJAX (mainly Item system of characters).

ACADEMIC RESEARCH

Undergraduate Researcher, Crawford Lab in Psychology, University of Richmond SPRING 2014 - SPRING 2016

- Implemented UDK scripts (Kismet), constructed and created virtual reality mazes in UDK for [navigation research project](#).
- Researched/implemented solution for nausea problems with first Oculus Rift Developer Kit (DK1).
- Created batch files and Arduino, and predigested the navigation research’s procedure.

SKILLS

Java, Python, SQL, \LaTeX , MATLAB, SPSS, git, Sketch

**Highlighted texts point to associated pages and files.*