Puran Zhang

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EDUCATION

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

University of Richmond   SPRING 2016
B.S., Mathematics & B.S., Psychology, Minor in Computer Science   Mathematics GPA: 3.92/4.0

RELEVANT COURSEWORK

Human-Computer Interaction • Natural Language Processing • Database System • Algorithms • Operations Research •
Numerical Analysis • Software System Development • Real Analysis I • Abstract Algebra

MPS Project - "Keep talking or explodes",   2016 FALL

- Led the team and built a real-time web-based messaging app with Node.js and Socket.io. The app allows Communication-study 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 *Keep Talking and Nobody Explode*. This allows researchers to generate customized and constant bomb for studies.

Natural Language Processing - **QA System**,   2016 FALL

- Co-implemented a question answering (QA) system in Python.
- Responsible for detecting answer type with the usage of *Stanford NER tagger*.
- Responsible for integrating logistic regression model that trained and extracted candidate answers.

Human-Computer Interaction - **Food recommendation app**,   2016 FALL

- Led and managed the "User-centered design" process for designing a nutrition-based food recommendation app that followed the *CHI 2017* guideline.
- In charge of implementing Hi-Fi prototype using Sketch and InVision.

OTHER EXPERIENCE

Online RPG game,   2016 SPRING - PRESENT

- In charge of implementing login/register page (check mal-input and interact with back-end database with PHP).
- Responsible for building partial battle page/functionalities with PHP and AJAX (mainly item system of users).

ACADEMIC RESEARCH

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

- Implemented UDK scripts (Kismet), constructed and created virtual reality mazes in UDK for my research 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.