

Puran Zhang

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EDUCATION

Cornell University, Ithaca, NY
Master (MPS), Information Science

MAY 2017
GPA: 3.65/4.00

University of Richmond, Richmond, VA
B.S., Mathematics & B.S., Psychology, Minor in Computer Science

AUG 2012 - MAY 2016
Cum Laude, Mathematics GPA: 3.92

Relevant coursework: Operating Systems • Computer Graphics • Machine Learning • Data-driven Web Applications • Database System • Algorithms • Operations Research • Numerical Analysis • Abstract Algebra

RELEVANT EXPERIENCE

MPS Project - Verizon, “Risk Scoring Model”, Cornell University

JAN 2017 - PRESENT

- Transformed device signals into training data’s features for SVM model.
- Integrated behavioral signals into account takeover model.
 - Researched on Implicit Authentication Model for potential fraud transactions.

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

AUG - DEC 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.

Online RPG game, a database integration project

APR 2016 - PRESENT

- Co-designed the game (balancing and pacing) and structure of implementations.
- 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).

Natural Language Processing, Cornell University

AUG - DEC 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.

ACADEMIC RESEARCH

Undergraduate Researcher, Crawford Lab in Psychology, University of Richmond

JAN 2014 - MAY 2016

- Implemented UDK scripts (Kismet), constructed 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, JavaScript, D3.js, SQL, \LaTeX , MATLAB, git, Sketch

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