Chen Chen

1003 W Main St Apt 305, Urbana, IL, 61801 | chchen146@gmail.com | 217-281-2996

**EDUCATION**

**University of Illinois at Urbana-Champaign**

* B.S. in Computer Science Aug 2015 ~ Present
* Dean’s List GPA: 3.96/4.0

**RELEVANT COURSEWORK**

Data structure, System Programming, Computer Architecture, Programming Languages and Compilers, Probability in CS, Data Mining, Computer Graphic, Numerical Methods, Virtual Reality, Distributed Systems, Embedded Systems, Computer Security, Algorithms and Models of Computation, Communication Networks

**EXPERIENCE**

**Oculus Virtual Reality Game Development**

* With a team of 4, designed and built an Oculus game that let players experience different world perspectives such as giant, ant and upside down
* Created immersive, comfortable and intriguing scenes and gameplay using Unity3D game engine and C# scripts
* Recorded and edited project demo video: https://goo.gl/oXlHC6

**Website Security Penetration Test**

* Explored SQL injection and CSRF attacks against various defense mechanisms
* With a group of 2, implemented JavaScript payload functions to mimic behaviors of the target website in order to collect user data
* Constructed an HTML page that initiates XSS attacks on the target website with different protection levels

**Santander Bank Customer Satisfaction Classification**

* Compared methods such as PCA and redundant feature removal to reduce the dimension of the original data by 91% without compromising the information of the data
* Implemented Random Forest and Support Vector Machine classifiers with bagging using R packages
* Achieved a ROC score of 0.823 on Kaggle contest page (The highest score was 0.829)

**ACTIVITIES**

**Violinist,** **Jasmine Field Orchestra** Feb2015 - Present

* Invited to perform contemporary Asian music at various occasions such as Follinger Auditorium, Illini Union, Champaign Library, University YMCA, Krannert Center Stage 5 and so on
* Discover new talents at annual recruiting and help new members to fit into the group
* Youtube Channel: https://goo.gl/VxHtRl

**SKILLS & INTERESTS**

**Skills:** C++/C, Python (familiar); Swift, C#, JavaScript, R, Matlab, HTML/CSS, MIPS, X86 Assembly, Haskell, Clojure, OpenGL, Latex, Git (have experience with).

**Languages:** English, Mandarin Chinese

**Interests:** Violin, Baking, Lego collection, Board game, Room escape