**Jasdeep Singh Bhalla**

**Master of Computer Science (MCS) - (2014 - 2016)**

**Arizona State University**

**CSE 545: Software Security**

* + Easy course and easy exam, just that you have to write 6 long boring cheat-sheets per exam.
  + Very good project: Built online banking web app and tried to made it prone to online attacks like Denial of services, XSS attacks, SQL-Injection attacks.

**CSE 460/598: Software Analysis and Design**

* + Good programming assignments, easy and manageable.
  + Strict on grading exams/assignments.
  + Got to learn different design patterns and different strategies to design/model software.

**CSE 512: Distributed Database Systems**

* + Got to learn basics of Hadoop, Spark, Python, Postgres, joins in databases etc.
  + Hard and hectic course but very interesting course. (Lenient grading).
  + Good Project: Developed Spark API for Geospatial operations and executed the code on multi node Hadoop cluster.

**CSE 556: Game Theory with Applications**

* + Complex concepts but overall manageable course (Not as easy as it seems).
  + Presentation on a self chosen idea is a cool concept.
  + Project was research based so kindof boring.
  + Learnt new strategies and plannings for winning games with highest profits in different kinds of Auctions.

**CSE 539: Applied Cryptography**

* + Good course. Easy and manageable. Professor teaches well.
  + Got to learn different hashing techniques, ciphers, web attacks, vulnerabilities & cryptographic protocols.
  + Difficult exams despite books, notes and laptops allowed in exam.

**CSE 565: Software Verif/Validation/Test**

* + Good course to learn different testing basics and techniques. Got to learn automated tools for testing.
  + easy and manageable course but difficult grading.
  + Hard to score in final exam as it has all multiple choice questions.

**CSE 591: Data Visualization**

* + My favourite course till now. Got to learn D3.js, R programming and different techniques of visualizations.
  + Very good professor, easy course to get an A and No exams :)
  + Good project: Visual analytics of Yelp dataset using D3.js

**CSE 591: Semantic Web Mining**

* + Good but boring course. Got to learn how recommendation systems work on the web (like Amazon).
  + Good project: Detected experts of particular domains (like Android or Java etc) on StackOverflow.
  + only one exam (mid-term) and one presentation.