

# Yiliang Shi

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## EDUCATION

### University of Utah

*Honors Bachelor of Science, Computer Science*

*Bachelor of Science, Finance*

Salt Lake City, UT  
December 2017

#### Honors

- 3.89/4.00 GPA
- University of Utah Presidents Scholarship – 4 years full ride
- \$2000 IM Flash Scholarship
- David Eccles Business School Dean's Undergraduate Scholarship – 2014

## SKILLS

- Languages: Java, C#, Html, CSS, JavaScript, C++, SQL
- Knowledge: Algorithm implementation, Object oriented project design, MVC architecture, Database
- Debugging though unit testing
- SQL database manipulation

## EXPERIENCE

### Teaching Assistant

- Responsible for assisting with grading and teaching for Models of Computations August 2016
- Implemented scripts to automate a number of programming and JFlap based homework

### Summer Researcher

- Chosen as 1 of 10 students for the BigData REU at NMSU
- Created workloads and test scripts to find relationship between layers of a computer system

### Competitions

#### Rocky Mountain ACM Programming Contest

November 2015

##### Participant

- Chosen as 1 of 12 CS students to represent the University of Utah in the ACM International Collegiate Programming Contest Regionals
- Solved problem sets involving real life scenarios within a 5 hour time limit on a single computer with a 3-man team using Java. Worked using a rotation system where 2 members would dissect the problem while 1 person coded

#### 2015 Goldman Sachs Hackathon

October 2015

##### Participant

- Worked as front-end developer as part of a 3-man team to create a website to display and track pollution in Utah
- Used Html and JavaScript to create website input controls and layout

### Projects

#### Acubio game

- Implement both the client and server of a game based on internet game Agario using C#. Implemented basic web server architecture with database server

#### Project Euler Challenge Library

- Analyzed and broke down mathematical problems into smaller sub-problems. Implemented a C# library to solve common sub-problems involving numerical analysis, sets, multi-sets, counting and probability

#### Utrack

- Used ER-Diagrams to design a database for an Yelp like application that tracks users and areas of interest
- Implemented database using MySQL
- Implemented the program using Java to manage and query the database as well as providing an UI
- Re-created classic asteroids game with Java using a MVC model

## VOLUNTEER ACITVITIES

### Student Program Director of the English Skills Learning Center

August 2014 – May 2015

- Organized ESLC recruiting events - tabling, posting flyers, class pitches
- Vetted volunteer suitability and acted as information intermediary between the ESLC and Bennion Center

### English Instructor with the English Skills Learning Center

December 2013 – August 2014

- Instructed Small Class of Beginner Students in English after going through training with the ESLC