

# YUEN HSI CHANG

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## Projects

### Interactive Bridge [iOS] | *Team size: 1*

Released Feb 7, 2017 @ <http://appstore.com/interactivebridge>

- ❖ Teaches children how to play contract bridge, a popular trick-taking card game
- Self contained MVC architecture with no network dependencies, written in Swift 3
- AI moves differently depending on whether the player is learning the game or perfecting his play
- Tutorials may provide hints when a play is valid, yet suboptimal, depending on the lesson

### WineGarden [iOS] | *Team size: 2*

Released Feb 1, 2017 @ <http://appstore.com/winegarden>

- ❖ Provides wine suggestions filtering from a database of over 12,000 selections
- All UI / UX / logo / mockups designed in Sketch 3
- Allows filtering based on preferences on wine tastes, types, regions, and varietals
- HTTP Requests made using Alamofire, API powered by [wine.com](http://wine.com)

## Work

### Platform Engineer | Rumble Entertainment | *Team size: 3*

San Mateo, CA | July 2015 - Jan 2017

- ❖ Rumble's platform integrates an API that backs in game features and collects telemetry data
- Rebuilt leaderboard from scratch, storing data in Redis, avoiding GORM usage
- Built a cross-channel friend referral system using cookies and MobileAppTracking (now TUNE)
- Automated sending of push notifications, scripting required steps on a Jenkins server
- Experience writing build jobs, deploying code, and scaling servers on AWS EC2
- Added various features and plugins to the customer support tool

## Education

### Carleton College – Class of 2015

Northfield, MN | Mathematics and Computer Science Cum Laude

- ❖ **Sigma Xi:** Nominated by faculty members on the basis of demonstrated aptitude for research

## Skills

- **Languages:** Swift 3, Redis, Python, Groovy & Grails, Java, PostgreSQL, Bash, Git
- **Tools:** Xcode, CocoaPods, IntelliJ, Gradle, Vim, Sketch, Amazon (ELB / EC2 / S3), Loggly, Jira
- **Dialects:** English (native), Cantonese Chinese (native), Mandarin Chinese (fluent)