

# JERRY YANG

✉ jerry.yang138@gmail.com

A hardworking student who is majoring in both Computer Science and Finance. Currently seeking Software Engineering focused positions

## Skills

### CS LANGUAGES

Python  
Java  
HTML  
Javascript  
SQL  
C  
Haskell  
R  
Assembly  
Prolog  
MATLAB  
Dart  
PHP

### MICROSOFT OFFICE

Microsoft Excel  
Microsoft Access  
Microsoft Word  
Microsoft PowerPoint

### PROGRAMS/PLATFORMS

Visual Basic  
Macromedia Flash  
Photoshop  
RStudio  
Android Studio  
JavaFX  
Pygames  
OpenCV  
Pygames  
Flutter  
MySQL  
AWS

### LANGUAGES

Fluent in English  
Conversational in Japanese  
Conversational Chinese  
Basic Knowledge of Spanish

## Awards

Rutgers University - Rutgers University Scarlet Scholarship  
Award given to students completion of highschool/college academic program with a strong academic level of achievement.  
Sept. 2016

## Education

Rutgers University, New Brunswick  
Bachelors Computer Science 2021

Current

Bachelors Finance 2021

CS Coursework: Data Structures, Software Methodology, Computer Architecture, Principles of Programming Languages, Management Info Systems, Numerical Analysis Computing, Principles of Information and Data Management, Design and Analysis of Computer Algorithms

Finance Coursework: Financial Management, Global Capital Markets, Financial and Managerial Accounting, Corporate Finance, Investment Analysis, International Financial Management

Study Abroad: Ritsumeikan University, Japan

July 2018

## Employment

### TWG Companies

Software Engineer Intern

June 2020 to Sept. 2020

- Documented, designed, and developed software, networks, and other proprietary technologies through the use of Python and Django.
- Utilized MySQL and along with PHP to connect the corresponding software to the finished projects of the Database team.
- Created data models, programs and scripts with detailed documentation
- Worked with Business analysts on Documenting work using standard documentation

Application Developer Intern - Team Lead

June 2020 to Sept. 2020

- Documented, designed, and developed various applications through the use of Java and Android Studio initially, before progressing to utilizing Dart and Flutter
- Utilized MySQL and along with PHP to connect the corresponding software to the finished projects of the Database team.
- Assigned and planned out team agendas.
- Organized and integrated group code.
- Attended daily scrums as the representative of the Application Developers to report and collaborate progress with other team leads.

### Rutgers New Brunswick IT Services

IT Services Technician

June 2017 to Oct. 2020

- Provided IT support to various departments within the New Brunswick Chancellor's office
- Supported and troubleshooted Windows, macOS, and mobile devices. Deployed images with the latest version of OSs and kept users up to date through script updates.
- Utilized remote assistance and remote desktop for softwares including but not limited to MS Office, web browsers and development, and Adobe.
- Went on various forms of Field Work to assist different departments. Ranges from computer upgrades and replacements to site surveys related to ports and servers.

### Japanese Visual Culture Association

Treasurer and Webmaster

2017 to 2019

- Applied for allocations and organized money to use in programs for the organization
- coded and created Visual Novels for the club through the use of Python for specific occasions
- helped manage the organization website through the use of HTML and JavaScript

## Projects

### Riichi Mahjong Simulator

Current

Using Python with the pygame package, I am currently recreating a popular strategy game played in Japan which involves building a hand (more expensive hands take longer to build) in which four players compete to win the round. The other three players will be simple AIs that discard will make the the most obvious discards on the surface.

### Anime Face Recognition

Current

Project to assist with becoming familiar with computer vision. Using Python with OpenCV, I am currently trying to get the computer to see faces in anime photos, remembers the face, and then will be able to recognize them to some extent in later images.

### Pizza Ordering System

Apr. 2020 to May 2020

Using Java's abstract classes as well as Polymorphism, I developed a GUI using JavaFX which enabled the users to order Pizza from a Pizza Store. The user is able to choose from the menu as well as build their own from the various topping choices given to the user. When finished, the user is able to open their order on a separate window and proceed to confirm their order, go back to the menu, or clear the order entirely.

### Online Railway Booking System

Nov. 2020 to Dec. 2020

A web application where a relational database system was designed to support the operations of an online railway Booking System. HTML was used for the user interface, MYSQL for the database server, and Java, Javascript, and JDBC was used for the connectivity between the user interface and database server. It was hosted under AWS for a period of time but the instance has been taken down as the free tier is no longer available. For more information, check out my online website!

### Cache Simulator

Nov. 2019 to Dec. 2019

Created a Cache simulator using C, simulated an L1 cache using the Least Recently Used(LRU) replacement algorithm, and included an option to incorporate prefetching

You can see more projects here! <https://pasuparepopipa.github.io/>