

# Jennifer Liu

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Online Portfolio: <https://jenniferliu1272.github.io/cs-personal/>

## Education

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**Expected May 2020** Rochester Institute of Technology, Rochester, NY  
Bachelor of Science: Computer Science  
Merit Scholarship Recipient  
Dean's List Fall 2015, Spring 2016, Fall 2016  
GPA: 3.69/4.0

## Skills

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### Programming Skills

- Programming Languages: C, Java, Python, SQL, HTML5, CSS, Javascript, Bash Script, PHP, Swift
- Operating Systems: UNIX/Linux, Mac OSX, Windows
- Frameworks: Django, JQuery, SASS
- Technologies: Version Control (Git, SVN), MySQL, XCode, Raspberry Pi, Docker, AWS Cloud Service

### Software

- Adobe Photoshop, Eclipse, IntelliJ, Pycharm, Sublime, MySQL workbench, Vim

### Languages

- Fluent in English (can read, write, speak)
- Can read, write Chinese (Cantonese and Mandarin)
- American Sign Language (Intermediate)

## Experience

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### **RailComm** August – Dec 2017

Fairport, NY

- Embedded Software Engineer

### **Student Lab Instructor for Computer Science for AP** Fall 2016

Rochester, NY

- Spent 4 hours each week assisting students while they do their problem solving
- An additional 2 hours of mentoring students at the tutoring center
- Responsible for grading student's work

### **Pan United Corporation** Summer 2014

Singapore

#### *Internship for the Technology Department*

- Co-developed a software that sends weekly notifications about company's weekly expenditure, inventories, and revenue information
- Helped ensure that companies' software is the most optimal by cloning them

### **Self-Employed** 2014-2015

Northfield, MA

#### *Repaired Smartphones*

- Started my own company at school to help students repair smartphones (hardware) for a fee

## Projects

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### **SMIF – Smart Meals, Intelligent Fridge (1<sup>st</sup> Prototype Completed)** 2017

- Building a smart fridge application to promote healthier living, entry product for ImagineRIT and Destler Health Challenge
- Detects items in the fridge and notifies user when it is about to expire
- Suggests recipes based on the food that are available in the fridge
- Uses PIR Sensor, Raspberry Pi, Amazon Echo, Machine Learning Technology

### **Book Selling Site** 2016

- Allows user to sell/book and buy used textbooks
- Generate a wish list for products to be purchased in the future

### **Appointment Made Easy** 2017

- Allow clients to create an appointment using mobile/computer
- Appointment made by client will appear on Doctor's google calendar

### **TEDxRIT Website** 2016

- A website to promote the event TEDxRIT
- Hosted website using personal Linux Server

### **Laser Puzzle** 2016

- Uses backtracking algorithm to solve an interactive puzzle

## Activities/Competitions

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- BigRed//Cornell, BrickHack Hackathon, ImagineRIT, Microsoft Puzzle Challenge
- Marketing Committee at TEDxRIT
- No Voice Zone (RIT club for interacting with hard of hearing, deaf, and speaking individuals using ASL)