

Jennifer Liu

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RailComm - Embedded Software Engineer Intern

Aug - Dec 2017 | Fairport, NY

- Currently working on a web application that interacts with their EAC Database using AngularJS and Flask
- Created a web application using Flask that turns on the EAC device on/off, and indicates which input is on/off
- Wrote a bash script that tests and does log purging on the EAC device
- Wrote a C program that sends and receives bytes of data from a Varisite board to the STM32F4 Discovery kit using I2C

Education

Rochester Institute of Technology
B.S In Computer Science
Rochester, NY | Expected May 2020
GPA 3.69

Coursework Categories

Data Structure and Algorithms
Mechanics of Programming
Computer Science Theories

Skills

Programming Skills:

C, C#, Java, Python, SQL, HTML, CSS, Javascript, Bash Script, AngularJS, Node.js, PHP, Swift, Raspberry Pi

Version Controls: SVN, Git, Perforce

Operating Systems:

Linux, Mac OSX, Windows

Areas:

Cloud Computing (SaaS, Paas - OpenStack, Pivotal Cloud Foundry)
Data Analytics (Splunk, Elastic Search, Kibana)
Database - NoSQL (MongoDB), SQL (MySQL, Redis), Cloud Services (AWS, Azure)

Orient Overseas Container Line - Systems Engineer Intern

Summer 2017 | Sha Tin, HK

- Worked on Cloud Computing (SaaS) with Swift and CEPH (2 types of Object Store)
- Pitched the benefits of using Hybrid Cloud Service (S3, Azure, Swift) as a Filesystem/Storage System in Pivotal Cloud Foundry
- Goal was to use Swift to support the Pivotal Cloud Foundry Team (PaaS)
- Explained how this will enforce DevOp practice
- Wrote a Data Analytic Program with Splunk that categories log errors

<https://drive.google.com/drive/folders/0B-zf16oS-5LWdG1wSnVoZlpmMlk?usp=sharing>

Student Lab Instructor for Computer Science for AP

Fall 2016 | Rochester, NY

- Spent 4 hours each week coaching student as they work through difficult Algorithm problems in Python and Java
- Wrote Bash Scripts to expedite grading process inside RIT's Linux Servers

Selected Projects

SMIF - Smart Meals, Intelligent Fridge 2017

1st Prototype Completed | Participated ImagineRIT Deslter Health Challenge

- An IOT device aimed to make food management a breeze for users.
- Database is served using AWS RDS and EC2
- Informs user when food is about to expire
- Generates recipes based on what is in the fridge
- Automatic Object Detection with Machine Learning

Appointment Made Easy 2017

- Allow clients to schedule a doctor's appointment using their mobile/computer on the go
- All appointment can be viewed on Doctor's Calendar

Pan United Corporation - Intern

Summer 2014 | Singapore

- Worked on updating computers
- Helped write a simple SQL program that sends weekly notifications

iPhone Engineering Start Up

2014 - 2015 | Northfield, MA

- Fixed over 30 iPhones (20 Screen Cracks, 5 Volume Button Issue, 5 Battery Failure)
- Profited \$30 USD for each unit

