Jennifer Liu

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Online Portfolio: http://www.jenniferliu.live/

Objective

- Looking for a summer internship in 2019 as a software developer

Education

Expected May 2020	Rochester Institute of Technology, Rochester, NY
	Bachelor of Science: Computer Science
	Immersion: Human Language Technology & Computational Linguistics
	Merit Scholarship Recipient
	GPA: 3.72/4.0

Relevant Courses

- Language Technology, Language Science, Introduction to Cryptography, Introduction to Natural Language Processing, Introduction to Data Mining, Introduction to Computer Vision

Skills

Programming Skills

- Programming Languages: Python, Java, Javascript, C, Swift, PHP, SQL, MongoDB, HTML, CSS, Bash Script
- Frameworks: AngularJS, Flask, Django, JQuery
- Technologies: Git, Perforce, Cloud Computing, Arduino, Raspberry Pi, Linux

Languages

- Fluent in English, Cantonese, Mandarin

Experience

Octopus Cards Limited: Embedded Software Engineer Summer 2018   Hong Kong

- Assisted in releasing the 1st prototype for enabling Wi-Fi on octopus card reader hardware across all buses in Hong Kong.
- Wrote shell scripts to test Wi-Fi performance when used by many users, and used for a prolonged period
- Added new features on their internal testing tools (A tool that controls bytes allocation on RFID cards) using C
- Made an android app that acts as a controller for the card reader (Demo: https://vimeo.com/287880129)

RailComm: Embedded Software Engineer Fall 2017   Fairport, NY

- Created a database web application with MSSQL, AngularJS, and Flask to help company improve work efficiency
- Initiated to make a web application using Flask and Python that triggers action on hardware and allow user to view hardware I/O result
- Wrote a C program to enable I2C communicate between Varascite board and STM32

Orient Overseas Container Line: Systems Engineer Summer 2017   Hong Kong

- Researched on how object storage is more effective than block storage
- Developed a Node.js sample web application demonstrating how developers could benefit from the transition
- Wrote programs for data analytics on log errors using Splunk and ELK

Student Lab Instructor for Computer Science for AP Fall 2016   Rochester, NY

- Helped students better understand algorithm based problem solving, and graded students work

Pan United Corporation Summer 2014   Singapore

- Co-developed a software that sends weekly notifications about company's weekly expenditure, inventories, and revenue information using MySQL and Javascript

Projects

SMIF – Smart Meals, Intelligent Fridge 2017

- An IOT device that can intuitively detect items in fridge, notify users when food is ready to expire, and suggest recipes based on items in fridge
- Technologies used: PIR Sensor, Raspberry Pi, Amazon Echo, Machine Learning, IOS Application, AWS RDS, PHP

NFC Based E-Wallet System for Octopus 2017

- Prototyped an E-Wallet system using NFC Technology
- Technologies used: NFC Shield, Arduino, Android Application, MySQL, Flask, Personal Server for data storage and to deploy Flask API

LIUEC Management Tool V1 2017

- A management tool application for making/editing appointments, viewing patient's appointments to help reduce error, and improve efficiency for my father's clinic
- Technologies used: MongoDB, AWS S3 and Elastic Beanstalk, Flask, AngularJS