

# FRANK LIAO

## Full Stack Developer

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## EDUCATION

**Carnegie Mellon University**  
BS in Information Systems  
Minor in Software Engineering  
Expected May 2019  
GPA 3.64/4.0  
Dean's List with High Honors

## SKILLS

### Frontend

HTML/CSS  
Javascript  
Adobe Creative Suite (Ps, Ai)

### Backend

Python, Ruby/Rails, Javascript  
Java, C, C++  
OOD/OOP

### Data

SQL, MongoDB, Redis  
Hadoop, Spark, Pig  
Matlab

## EXPERIENCE

### Software R&D Intern | Department of Defense

Miami, FL | May 2017 • August 2017

Researched graph-based detection of malicious nodes in social networks. Designed and developed a framework as an environment for simulating/testing different network and attack implementations.

### Software Summiteer | Capital One

Arlington, VA | May 2017

Designed and developed a food recommendation web app using Yelp's API. Participated in various workshops on topics such as mobile app development and machine learning.

### Software R&D Intern | National Science Foundation

Salisbury, MD | May 2016 • August 2016

Researched various machine learning and image segmentation techniques. Developed and tested deep neural network implementations for change detection over time in satellite imagery.

## PROJECTS

### Full Stack Web Development | A&M Chess Store

gentle-brushlands-60542.herokuapp.com | Spring 2017

Designed and developed a solution to an ecommerce web app as part of a semester-long course project. Built this Ruby on Rails app from the ground up, including models, views, and controllers.

This project won the *Chili Pepper Award*, for best design and development among the IS Class of 2019.

### Full Stack Web Development | Pail

pure-springs-74336.herokuapp.com | Summer 2017

As a group of three, designed and developed a social transaction platform for the Capital One Summit hackathon. Built this Ruby on Rails app from the ground up, to support peer-to-peer transactions as well as friend-based crowdfunding.