

# Gillian Laming

gdlaming@wustl.edu | (804) 869-0224 | gillianlaming.com | github.com/gillianlaming

## Education

### Washington University in St. Louis

December 2020

St. Louis, MO

- Bachelor of Science in Computer Science, Minor: Chinese Language and Culture
- GPA 3.84/4.00, Dean's List (all semesters)
- Honors: Prize for Excellence in the Study of Chinese, 2019

### Fudan University

June – August 2018

Shanghai, China

- Chinese IV
- GPA 4.0/4.0

## Relevant Coursework

Data Structures and Algorithms

Systems Software

Mobile App Development

Rapid Prototype Dev. and Creative Programming

Computer Engineering

Object Oriented Programming

Cloud Computing with Big Data Applications

Statistical Machine Learning

Networks Analysis

## Skills

**Programming Experience:** Java, JavaScript, Python, C++, C, AWS, Spark, PHP, CSS, HTML, React, Swift, Socket.io, Node.js, Hadoop, Hive, MySQL, LaTeX

**Natural Languages:** English (fluent), Mandarin Chinese (working proficiency), French (proficient), Arabic (basic)

## Work Experience

### Capital One

June – August 2020

*Software Engineer Intern*

- Designed and ran Chaos Engineering experiments using Postman to test Spark job resiliency running on AWS
- Wrote Python scripts to increase efficiency of running experiments by 50%
- Laid foundation for Chaos Engineering to be integrated into the company's payments pipeline

### GiftAMeal, Socially Conscious Startup

May – August 2019

*Web Development and Business Strategy Intern*

- Automated workflow processes to increase efficiency by 75%
- Built, tested, and launched search functionality on website using JavaScript to boost UX
- Updated website UI to reflect company brand and values

### Computer Science Department, Washington University in St. Louis

August 2018 – Present

*Teaching Assistant:* Data Structures and Algorithms, Introduction to Computer Science

- Worked individually with 5 students weekly to explain concepts and facilitate lab sessions
- Grade exams and debug labs
- Hold weekly Office Hours to answer questions and explain hard concepts to students

## Leadership and Community Engagement

### Alpha Kappa Psi, Professional Business Fraternity

January 2019 – Present

*VP Professional, Treasurer, Pledge Class President*

- Managed professional resources for brothers; organized and promoted professional development events
- Collected dues from brothers

### Student Environmental Council, Washington University in St. Louis

August 2017 – Present

*Vice President of Finance*

- Managed budget of \$10,000 for club that helps organizations make their events more sustainable
- Facilitated the advising and distribution of over \$3,000 worth of compostable materials to clubs

## Projects

### Homework Review Sentiment Analysis, Python, Spark, Hive, AWS EMR

- Analyzed sentiment from HW reviews to draw insights on course topics. Run using HDFS and on AWS EMR

### Cache Simulator, C

- Direct mapping cache simulator, tested on several trace files to verify correctness of mapping

### Memory Allocator (malloc), C

- Built using segregated lists with best fit policy; high performing in both throughput and utilization.

### Mappi, Swift

- iOS app that supports adding liked locations to lists and shares them with friends