

Chuck Wong

(217) 979-0330 | cwwong3@illinois.edu | Github: chuckwwong

WORK EXPERIENCE

Echelon Consulting

Chicago, Illinois

Software Developer Intern

May 2019 – August 2019

- Implemented a Pricing Benchmarking platform to help clients analyze and vastly improve business strategy
- Developed in depth KPI monitoring to significantly drive up engineering performance and reduce operational load
- Revamped the overall developer infrastructure to improve vulnerability by integrating proper ACLs and security protocols

Fidelity Investments

Westlake, Texas

QA Software Engineer Intern

May 2018 – August 2018

- Migrated over 400 cases of functional tests from JavaScript to Java to promote uniformity of code across development teams
- Led creation of QA pipelines through Jenkins and other OSS allowing teams to comprehensively test their respective microservices

EDUCATION

University of Illinois at Urbana-Champaign

GPA:3.41

Masters of Engineering in Computer Engineering

August 2020

Bachelor of Science in Computer Engineering

May 2019

PROJECTS

SHERPA: Resiliency Analysis for SDN Networks

Champaign, Illinois

Advised by Prof. David Nicol

January 2019 – August 2020

- Constructed a React UI for a Software Defined Network assessment tool SHERPA that was shipped and utilized by Boeing across their research organizations
- Modeled multiple network failures with Poisson distribution to quantify network reliability, increasing the overall network resiliency through analysis of metrics based on link failures
- Created a Flask backend API to organize application sessions and serve metric data with REST architecture

NeighborHood

Champaign, Illinois

CS411: Introduction to Databases

January 2019 – May 2019

- Effectively led a team of four to construct web application that assesses the relative safety of a neighborhood in Chicago
- Utilized Django to construct a web framework/REST API that calculates relative safety scores of a neighborhood and securely provides them to the user
- Designed the Entity Data Model for the Backend powered by MySQL to store and retrieve all user and crime data

PandaFlex

Chicago, Illinois

UncommonHacks

February 2019

- Created web service utilizing the React framework to automate and abstract away common Data Engineering tasks
- Integrated Pandas and various other popular ML libraries to automatically extract relevant feature information from user provided datasets

SKILLS

Languages: Python, Java, C, SQL, JavaScript/TypeScript, HTML/CSS

Technologies: React/Redux, Django, Git, Flask, PyTorch

Relevant Databases, Data Structures, Algorithms, Distributed Systems, Communication Networking, Computer

Coursework: Networking Laboratory, Internet of Things, Computer Vision, Deep Learning