

Chuck Wong

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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 a KPI monitoring and quality of life improvements to significantly reduce engineering operational load
- Worked extensively with various security protocols to set up proper internal access levels to the overall system

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

Masters of Engineering in Computer Engineering

May 2020

Bachelor of Science in Computer Engineering

May 2019

PROJECTS

SHERPA

Champaign, Illinois

Master's Project

January 2019 – Present

- Constructed a React Front End interface for a Software Defined Network assessment tool SHERPA to help Boeing teams set up experiments and use the tool with more ease
- Created a Flask Backend to execute python scripts that simulate SDN of custom network configurations to increase overall resiliency and prevent network failures
- Repackaged Python scripts as Microservices compliant 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 Web Framework to deploy a REST API that allows user login through token authentication and serves safety index calculations
- 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 abstract and ease common Data Engineering tasks
- Applied Pandas library to calculate the correlation coefficient and normalization of the data input to help determine the alignment of the features

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