

# Shikan (Steve) Chen

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## Profile Summary

- Computer Science student, experienced in building and deploying full stack solutions. Well versed in Object-Oriented Programming (OOP), data structures & algorithms, Application Debugging & troubleshooting, and Cloud networking.
- Full-stack developer with a strong command of tech stacks including Java Spring, RESTful API, Microservice Architecture, JavaScript and SQL.
- Key contributor to the team, available to support and collaborate with others, familiar with Agile Scrum environment. International profile, fluent in English and Mandarin, thriving in a multicultural & diverse work environment.

## Education

**University of California San Diego** 

San Diego, CA, 2021-2023

M.Sc. in Computer Science      **GPA: 3.5/4.0**

**Rensselaer Polytechnic Institute** 

Troy, NY, 2017-2020

B.Sc. in Computer Science      **GPA: 3.8/4.0**

## Professional Experience

**Mitchell International, Inc.**  Software Development Engineer Intern      **San Diego, CA, USA**      Jun. 2022 - Sep. 2022

- Contributed to the software development lifecycle by designing, implementing, and maintaining back-end features and microservices for a technology company.
- Established high-level requirements by engaging with stakeholders including Post Estimate and Product Delivery teams. Reach a clear and detailed understanding of what is to be built, by asking calibrated questions. Define key functionalities in a design document, before implementing solutions with JSON Schema 2 POJO, Java Spring Boot, Docker and Git.

**Key Achievement:** *Designed a JSON schema and validation library of the profile data structure to be used in an Intelligent Review Profile microservice. Designed and developed the corresponding Intelligent Review Profile microservice enabling the company to use company profiles stored in the database, avoiding the rigidity of a legacy structure. Delivered improvements and fixed bugs in other microservices that interact with the above-mentioned generic profile service.*

**Surreal, Inc.**  Computer Vision Algorithm Engineer Intern

**Guangdong, China**      Apr. 2021 - Jul. 2021

- Analyzed and implemented InfinityGAN used for an infinite-pixel image synthesis feature of the company's visual storytelling development tools.
- Collaborated with the back-end engineering team for fast data filtering and transmission inference of InfinityGAN features. Shadowed Sr. Engineers, learning best practices and seeking opportunities to contribute.

**Key Achievement:** *Contributed to projects leading to an increase of face recognition accuracy, from 95% to 98%.*

**ZDLink PLM Corporation**  Software Development Engineer Intern

**Zhejiang, China**      Sep. 2019 - Jan. 2020

- Collaborated with the Marketing team to organize client datasets, building sorting functions and data visualization capabilities and participated in the debugging of multiple modules within the platform.

## Project Experience

**Computational Ethnography from Metaphors and Polarized Language (COMETH)**       Jan. 2020 - Sep. 2020

- Conducted the training of LDA models for topic/information extraction and data visualization and worked on data preprocessing, including named entity filtering, document lemmatization, and digits filtering. Enhanced a metric using Kurtosis to calculate the purity of topics extracted from LDA models. Trained and fine-tuned the BERT model embedding with the corpus of COMETH dataset to better cluster stances with certain keywords.

**Smart Contracts Augmented with Learning and Semantics (SCALES)** 

May. 2019 - Sep. 2019

- Worked on the design and implementation of a decentralized healthcare system module using IBM Hyperledger Fabric and designed an application for smart contracts to be used for transmission of classified medical data. Developed protocols enabling doctors and patients to access medical images with permission integrity.

## Technical skills

**Languages:** Python, Java, JavaScript, SQL, HTML, CSS

**Databases:** MySQL, SQLAlchemy & Flask-SQLAlchemy

**Frameworks:** Spring & Spring Boot, Flask, PyTorch

**Web services & tools:** Git, Docker, Jenkins