

Shikan (Steve) Chen

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Profile Summary

- **Versatile** Computer Science student **with experience** in full-stack solutions, proficient in OOP, data structures, algorithms, debugging, troubleshooting, and cloud networking.
- **Talented** with a strong command of technologies such as Java Spring, RESTful APIs, Microservice Architecture, JavaScript, and SQL.
- **Collaborative** team member with experience in Agile Scrum environments, offering support and collaboration to colleagues. Fluent in English and Mandarin, adept at excelling in multicultural and diverse work settings.

Education

University of California San Diego 📄 San Diego, CA, 2021-2023

M.Sc. in Computer Science **GPA: 3.63/4.0**

Rensselaer Polytechnic Institute 📄 Troy, NY, 2017-2020

B.Sc. in Computer Science **GPA: 3.83/4.0**

Professional Experience

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

- **Led** the software development lifecycle of the Intelligent Review Profile microservice, including design, implementation, and maintenance of back-end features for a leading technology company.
- **Engaged** with stakeholders, including Post Estimate and Product Delivery teams, to establish comprehensive requirements by asking targeted questions, leading to a detailed understanding of project scope.
- **Created** a design document outlining key functionalities before implementing solutions using JSON Schema 2 POJO, Java Spring Boot, Docker, and Git.

Key Achievement: *Devised a JSON schema and validation library for the profile data structure, as well as the corresponding Intelligent Review Profile microservice, which **enhanced** the company's ability to utilize stored profiles in the database, replacing a legacy structure. Enhanced other microservices by addressing bugs and introducing improvements.*

Surreal, Inc. 📄 Computer Vision Algorithm Engineer Intern Guangdong, China Apr. 2021 - Jul. 2021

- **Examined and implemented** InfinityGAN for infinite-pixel image synthesis, **augmenting** the company's visual storytelling development tools.
- **Collaborated** with the back-end engineering team to expedite data filtering and transmission inference of InfinityGAN features, while learning from senior engineers and contributing to the team.

Key Achievement: *Increased face recognition accuracy from **95%** to **98%** through pivotal project contributions.*

ZDLink PLM Corporation 📄 Software Development Engineer Intern Zhejiang, China Sep. 2019 - Jan. 2020

- **Cooperated** with the Marketing team to organize and analyze client datasets, creating sorting functions and data visualization capabilities.
- **Participated** in debugging multiple platform modules to ensure optimal performance.

Project Experience

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

- **Utilized** LDA models for advanced topic extraction and data visualization; employed Kurtosis metrics to evaluate topic purity.
- **Optimized** a BERT model with the COMETH dataset corpus, resulting in improved stance clustering for specific keywords.

Smart Contracts Augmented with Learning and Semantics (SCALES) 📄 May. 2019 - Sep. 2019

- **Played a crucial role** in designing and implementing a decentralized healthcare system module, leveraging IBM Hyperledger Fabric, and creating an application for secure transmission of sensitive medical data via smart contracts.
- **Developed and implemented** protocols that maintained permission integrity while allowing doctors and patients access to medical images.

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