Shikan (Steve) Chen

Computer Science Student
shc040@ucsd.edu (518)-505-0694 9924 Kika Ct, Apt 2425, San Diego, CA

Profile Summary

- Computer Science student, experienced in building and deploying full stack solutions. Well versed in Object-Oriented Programming (OOP), data structures & algorithms, AI & Machine Learning, and smart contracts.
- Full-stack developer with a strong command of programming languages including Python, Java, JavaScript and SQL.
- Key contributor to the team, available to support and collaborate with others. International profile, fluent in English and Mandarin, thriving in a multicultural & diverse work environment.

Education

University of California San Diego
M.Sc. in Computer Science
San Diego, CA, 2021-2023 **GPA: 3.5/4.0**

Rensselaer Polytechnic Institute
B.Sc. in Computer Science
New York, NY, 2017-2020 **GPA 3.8/4.0**

Languages

English: Fluent **Mandarin**: Native level

Technical skills

Languages: Python, Java, SQL, JavaScript, SQL, HTML, CSS
Frameworks: Spring & Spring Boot, Flask, PyTorch, Tensorflow, Bootstrap
Databases: MySQL, SQLAlchemy & Flask-SQLAlchemy
Web services & tools: Git, Docker, Jupyter Notebook

Professional Experience

Mitchell International — Software Development Engineer Intern
San Diego, CA, USA Jun. 2022 - Present

- Contribute to the software development lifecycle by designing, implementing, and maintaining back-end features and microservices for a technology company.
- Establish 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 in 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. 2022

- 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. 2019 - Sep. 2019

- 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.

Multimodal Narrative Generation and Presentation May. 2019 - Sep. 2019

- Used Watson AI tools to create, debug, and test a multi-modal dialogue allowing AI agents to teach a foreign language in an immersive environment. Assisted the team in integrating the feature with the rest of the project, and reported on progress and performance of the research.