LARRY SHAN

(425)-647-4021 ◇ shanl08@cs.washington.edu ◇ https://www.linkedin.com/in/larryshan/

EDUCATION

University of Washington, Seattle   June 2022 (expected graduation date)
Computer Science Major
Applied Math Minor

Relevant Coursework: Data Structures and Algorithms, Applied Linear Algebra and Numerical Analysis, Calculus III, Computer Programming I & II

TECHNICAL STRENGTHS

Computer Languages	Java, Python, MATLAB, HTML, Solidity, CSS
Software & Tools	IntelliJ, VS Code, OpenCV, PyTorch, Eclipse, Android Studio

EXPERIENCE

Research Intern, Tsinghua University   June 2019 - Present
· Developed an algorithm in Pytorch for vehicle re-identification with drastic lighting and poses changes
· Utilized object detection, image re-lighting, and a Siamese network to improve rank-10 accuracy from 50% to 90% using a training set of 50,000 images and a test set of 10,000

Teacher, Northwest Chinese School   June 2014 - 2018
· Developed and taught curriculum for students from 1st to 7th grade in subjects Math, Science, and Language Arts and helped prepare students for continued education

ACTIVITIES & LEADERSHIP

President, Blockchain Society   October 2018 - Present
· Organized the Blockchain Expo where over 250 Blockchain professionals and students connected through speaker series and workshops
· Founded a Blockchain consulting service and drove efforts to establish the first Blockchain class at the University of Washington

President, Technology Student Association (TSA)   2014-2018
· Founded a student organization that brought together 40+ students interested in STEM fields and applied their interests in real-world applications
· Led a team to third place overall in the WTSA competition 2016 and placed second in Website Design

PROJECTS

Speech Scraper   February 2019
· Developed from scratch a program that scrapes speeches and other forms of text from online and identifies a grade-level equivalent
· Utilized tools such as Beautiful Soup, scikit-learn, NLTK, The Lextile Analyzer, and python

Digitbyte Project   September 2018 - March 2019
· Created a file hasher in collaboration with DigiByte Blockchain, allowing users to save document hashes to the blockchain in return for DGB
· Worked with transaction, authentication, payment, and hashing/blockchain storage