

Arthur Liu

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Education

University of Washington, Seattle, WA, 4.0 Sept 2018–June 2021
BS, Computer Science, Minor: Entrepreneurship
Combined B.S./M.S. CSE Program Expected Graduation 2022

Experience

Software Engineering Intern, Amazon, Seattle June 2020 – Sept 2020
· Developed in-production tool for Amazon Go Store associates, saving approximately \$1K labor annually per store or \$300,000 at current store count (300 stores).

Research Fellow, Giving Tech Labs, Seattle Sept 2019–June 2020
· Published voice-analysis paper to KDD 2020
· Conducted experiments including emotion differentiation via derived acoustic speech features
· Trained models to extract grant information from crawled web urls

Head CS Teaching Assistant, University of Washington Jan 2019–Present
· Lead staff meetings to help TA's prepare for section
· Teach a class of 20+ students twice a week to strengthen fundamental programming concepts including abstract data types, stacks, queues, linked lists, binary trees, recursion, interfaces, and encapsulation in java

Marketing Intern, CueMed, Issaquah June 2018–July 2018
· Created the company's marketing deck, used to pitch their intelligent pill organizer to investors

Publications

1. Y. Li, A. Miller, **A. Liu**, K. Coburn, L. Salazar, Acoustic Measures for Real-Time Voice Coaching Real-Time Voice Coach with 100% user privacy. In *Proceedings of the 26th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD '20)*, 2020

Activities

Curator, TedX University of Washington Oct 2019-Present
· Directing TEDxUofW club and event
· Worked previously as Web Lead on full-stack web development (PHP, JavaScript, SQL)

Computer Vision Team, Advanced Robotics University of Washington Oct 2019-Present
· Developing programs to improve missile guidance and prediction for RoboMaster competition

Projects

Orange Juice Hologram, 1st Place Hack'20, devpost.com/software/orange-juice-hologram-jy5qr1 Aug 2020
Morse Code App, expo.io/@artliu/learn-morse Aug 2019
Personal Website, arthurjl.github.io Jan 2019
Investment Analysis, Russell Investments International Case Competition Nov 2018

Skills & Other Awards

Languages: Java, Python, C, JavaScript, HTML, CSS

Awards: KDD 2020 Student Registration Award Recipient — Giving Tech Labs Distinguished Fellow — UW Dean's List all quarters — DubHacks 2018 Finalist — National Merit Finalist — International Finalist DECA