**Yiqi Yuan**

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**EDUCATION**

**Master of Arts in Teaching** December 2020

**University of Southern California** GPA 4.0

**Master of Science, Computer Science** May 2016

**University of Southern California**  GPA 3.7

**Bachelor of Engineering** September 2014

**Waseda University**  GPA 3.53

**SKILLS AND CERTIFICATIONS**

* California Preliminary Single Subject Credential in Science: Physics, Bilingual Authorization in Mandarin (BCLAD), Add-on Credential in Mathematics (Ongoing)
* Certified Software Testing Engineer by International Software Testing Qualifications Board (ISTQB) Foundation Level
* Business Fluency in Japanese

**TEACHING EXPERIENCE**

**Student Teacher, 11th and 12th grade** January 2020–Present

West Adams Preparatory High School, Los Angeles

* Teach Physics up to 2 periods every day and co-instruct all periods, including one AP Physics 1 class, in a low-performing Title I school
* Design and deliver the NGSS-based Physics curriculum on topics including kinematics, force and motion, energy and momentum, circular motion, waves, and basic Astronomy
* Foster new media literacy and ICT skills by instructing students to conduct scientific investigations using Phet simulation, Phyphox, google sheets, Nearpod, Jamboard, whiteboard.fi
* Adapt to school closure due to COVID-19 by modifying original lesson plans into synchronous and asynchronous virtual learning modules on Schoology to maintain 90% or above participatory rate every class
* Check-in with students weekly via various platforms, including meditation activities to foster student mental health

**Instructor, Coding Academy** September 2019–December 2019

USC Viterbi K-12 STEM Center, Los Angeles

* Mentored 2 Science teachers at John Adams Middle School in designing and implementing one unit with six lessons of integrated 7th-grade Physical Science and Computer Science curriculum aligned with state standards
* Instructed programming languages including Scratch and Python

**Teaching Assistant, Summer Immersion Program** June 2015–August 2015

Girls Who Code, Los Angeles

* Co-instructed 20 high school students Computer Science and programming
* Enriched standard curriculum and differentiated instructions using openGL in computer graphics and Javascript web development to meet the needs of high-performing students already passed AP Computer Science A
* Instructed programming languages including Scratch, Mindstorms Robotics, Javascript, and Python

**OTHER WORK EXPERIENCE**

**Software Development Engineer in Test, Rakuten Travel** July 2016–June 2018

Rakuten Inc., Tokyo, Japan

* Co-designed and executed 60% regressions for Rakuten Travel APP by Automated Mobile Testing via Appium
* Led integration and system automation testing project by defining automatic test automation scenario generators and standardizing case design protocols for API testing
* Released products: full regression for Rakuten Travel multilingual, HTTPS Migration, Concierge iOS App, various API tools

**Program Coordinator, Robotics & Coding Academy** September 2015–May 2016

USC Viterbi K-12 STEM Center, Los Angeles

* Co-directed a group of 12 USC graduate and undergraduate students to execute a one-year Robotics curriculum at three elementary schools and obtained recurring grants

**ACADEMIC PROJECTS**

* Reflective Teaching Philosophy: Equity Portfolios and Ideology Stances of Teaching
* Featured Lesson Plans: Learning Energy and Work by Exploring Mayan Pyramids, Driving with Force and Momentum, Cultural Comparison of Food (Mandarin), Float or Sink Scratch programming (Integrated Science and Programming)