

Kelly Gu

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EDUCATION	University of Virginia , Charlottesville, Virginia Undergraduate Honor Student, Computer Science Coursework: <ul style="list-style-type: none">Discrete Mathematics 1 and 2; Data Structures and Algorithms 1 and 2; Computer System Organizations; Software Development Essentials	Aug 2021 – Present
JOB EXPERIENCE	SWE and Data Intern , Freddie Mac <ul style="list-style-type: none">Create a new API gateway from scratch using Spring CloudRe-engineer legacy API for more efficient, event-driven microservice structure CS2100 Teacher's Assistant , University of Virginia <ul style="list-style-type: none">Course: Data Structures and Algorithms 1Hold two hours of office hours each week to help students further grasp the materialGuide students' thinking processes when they are met with difficulty	May 2023 – Present Aug 2022 – May 2023
PERSONAL PROJECTS	Portfolio Website Currently in progress, Jun 2023 <ul style="list-style-type: none">Build a responsive portfolio website with advanced animations, using React and CSSShowcases my personal interests, as well as personal projects completed outside of schoolwork Google Data Analytics Professional Certificate Online Coursera Course, Aug 2022 <ul style="list-style-type: none">Hands-on experience with data cleaning, data visualization, project management, and interpreting and communicating data analytics findingsGain confidence in transforming complex data into actionable and clear insightsDevelop fluency in computer programming languages and a solid understanding of databases	
SKILLS	Programming Java • JavaScript • SQL • React • Python • CSS <ul style="list-style-type: none">Knowledge of core CS concepts: Data structures and algorithms, object-oriented analysis and design, design patterns, and software development methodologies Miscellaneous <ul style="list-style-type: none">Excellent analytical and problem-solving skillsEffective written and verbal communicationStrong organizational and time management skillsAdaptive, excited to learn, patient, and detail orientedThrives in both collaborative and independent work environmentsAble to inspire and guide groups of people towards a common goal	
ACTIVITIES	Chinese Student Association President , University of Virginia <ul style="list-style-type: none">Manage all internal and external affairs in regards to the organizationResponsible for the current welfare (300+ consistent members), and the growth of the organizationFormer Culture Chair: Apr 2022 – Mar 2023 alpha Kappa Delta Phi , Sigma Chapter Breast Cancer Awareness Chair: Fall 2022 <ul style="list-style-type: none">Plan, organize, and execute two events and various fundraisers to raise over \$3,400 as a Chapter for breast cancer research	Mar 2023 – Present May 2022 – Present