

Elaine Kodama

www.elainekodama.com | ek@elainekodama.com | 559.313.6239 | Los Angeles, CA

Passionate undergraduate senior looking to apply and develop knowledge of object-oriented programming in Java from experience as a teaching assistant at USC. Seeking work as a software engineer to progress technology and develop creative solutions for today's complex problems.

EDUCATION

University of Southern California

Los Angeles, CA

Bachelor of Science, Environmental Science and Health; Computer Programming Minor

August 2019 – May 2022

Honors/Awards: Dean's List (7 semesters), SURF recipient, Renaissance Scholar

GPA: 3.7/4.0

Relevant Courses

- Programming in Python (USC)
- Object-Oriented Programming (USC)
- iOS App Development (USC)
- Graphical User Interfaces (USC)
- Managing Data in C++ (USC)
- CS50 (HarvardX)

Projects

- *Personal Website*: A portfolio website to showcase skills and personality (HTML/CSS)
- *Mobile Flashcards*: A modern way of studying, where users can draw and store flashcards (Swift, iOS SDK, PencilKit, Firebase Auth/Data, Delegation, MCV)
- *Virtual Aquarium*: A game for users to grow their aquarium (JavaFX, OOP, MVC)
- *Scrabble*: A replica of classic Scrabble (JavaFX, OOP, Socket Programming, MVC)
- *Evite System*: A system to manage parties (Java CLI, OOP, MVC)

SKILLS

Programming: Java (2 years), Swift (1 year), C++ (1 semester)

Scripting: Python (2 years), JavaScript (1 semester)

Other: EPIC EHR (2 years), Intergy EHR (2 years), HTML/CSS (1 semester)

PROFESSIONAL EXPERIENCE

Viterbi School of Engineering—USC

Los Angeles, CA

Teaching Assistant (Graphical User Interfaces)

January 2022 – Present

- Assists students with programming GUI applications utilizing the JavaFX library, applying principles of OOP, and understanding fundamental design aspects such as accessibility, localization, and best-practice software design
- Provides help on assignments and learning concepts in ~30-student class two hours a week, and in office hours four hours a week

Viterbi School of Engineering—USC

Los Angeles, CA

Teaching Assistant (Object-Oriented Programming)

August 2021 – Present

- Reinforces key concepts of inheritance, polymorphism, abstract classes and interfaces to help students understand OOP
- Aids students in office hours two hours a week and during class four hours a week for two class sections of ~40 students
- Collaborates weekly with professor and other teaching assistants to prepare lecture material, homework assignments, and exams

Coding Earth

Los Angeles, CA

Tutor August 2020 – Present

- Educate students on basic coding to prepare them for high school or college and provide support for current college students over Zoom
- Prepare lesson plans for 1-hour sessions and assign homework for ~10 students in Java, Python, and Swift/iOS development

Center for Neural Engineering—USC

Los Angeles, CA

Research Assistant

January – November 2021

- Collaborated with a team to identify key mechanisms involving mitochondria in the development of neurodegenerative diseases
- Developed brain cell models to isolate each energy-consuming mechanisms in NEURON for 8 hours a week

Digestive Disease Consultants

Fresno, CA

Medical Scribe

May – August 2018, 2019

- Documented ~23 gastroenterology patient (in-office) encounters a day into EPIC medical records, including patients' chief complaints; physician's assessment and plan; and medication, procedure, lab, and/or referral orders (SOAP)
- Developed clinical experience by learning medical terminology and proper medical record documentation

ADDITIONAL INFORMATION

Volunteering: Orthopaedic Institute for Children (Clinic Volunteer), Educate 2 Elevate (Mentor)

Involvements: Phi Gamma Nu professional fraternity, Gamma Phi Beta sorority, Japanese Student Association

Interests: Environmental awareness, medicine/health, fitness, L.A. Dodgers, NCAA Softball, traveling, mentoring

Thank you for reviewing my resume