

Elaine Kodama

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EDUCATION

University of Southern California

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

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

GPA: 3.7/4.0

Los Angeles, CA

August 2019 – May 2022

Relevant Courses

University of Southern California- Viterbi

- ITP-115: Programming in Python (Grade: A)
- ITP-265: Object-Oriented Programming (Grade: A)
- ITP-342: iOS App Development (Grade: A)
- ITP-368: Graphical User Interfaces (Grade: A)

Other

- HarvardX CS50: Introduction to Computer Science
- Udemy: Complete Java Certification Course
- Udemy: Python Mega Course 2022
- Udemy: Learn and Understand NodeJS

SKILLS

Proficient: Java, Object-Oriented Programming, iOS development/Swift, Python

Familiar With: C++, HTML/CSS, JavaScript, NodeJS

PROFESSIONAL EXPERIENCE

Viterbi School of Engineering—USC

Los Angeles, CA

Teaching Assistant/Grader (ITP-368)

Spring 2022

- Assists students with programming graphical user interface applications utilizing the JavaFX library, applying principles of object-oriented programming, 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/Grader (ITP- 265)

Fall 2021, Spring 2022

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

Coding Earth

Los Angeles, CA

Tutor August 2020 – Present

- Teach students 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
- Received \$3000 funding from Summer Undergraduate Research Fund to facilitate one-on-one mentoring with faculty

Digestive Disease Consultants

Fresno, CA

Medical Scribe for Dr. Kevin Kodama

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

VOLUNTEER EXPERIENCE

Educate2Elevate

Los Angeles, CA

Mentor

August 2021 – Present

- Meet with a high school student one-on-one once a week for 10 weeks to provide support as they transition to higher education
- Create custom meeting plans to address student's main concerns, such as standardized testing, applications, and scholarships
- Serve on the committee board to raise concerns, improvements, and ideas to maintain an effective and organized system

Orthopedic Institute for Children

Los Angeles, CA

Volunteer

October 2019 – Present

- Serve on the volunteer committee board to foster new ideas and improvements, such as the Educate2Elevate program
- Welcome families and children to the clinic by providing them with activities in the waiting room 4 hours a week
- Raise money at community events and help facilitate Toys for Joy, an annual holiday event to provide over 2,000 gifts for children for the holidays