

Stella Lu

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EDUCATION

University of California, Berkeley

Expected graduation May 2021

- Bachelor of Arts, Computer Science (GPA: 3.71, Major GPA: 3.77)
- Dean's Honors List, Spring 2018 for a top 4% semester GPA
- Relevant Coursework: CS 61C Computer Architecture (in progress), Math 110 Linear Algebra (in progress), CS 61B Data Structures, CS 70 Discrete Mathematics and Probability CS 61A The Structure and Implementation of Computer Programs

PROJECTS

Nicolas Cage Detector | Python, Tensorflow

September 2018

- Adapted the default Tensorflow model to track Nicolas Cage and work with live webcam feeds
- Gathered and cleaned images of Nicolas Cage as data to train the model with an accuracy of over 90%

Stella-lu.com | HTML, CSS, Javascript

Summer 2018

- Developed a desktop website emphasizing a sleek design and interactive features
- Used Javascript and jQuery to incorporate a smooth, modern website flow, including a parallax scrolling effect and project descriptions on mouse hover

Wikipedia Word Frequency | Python, Pyplot, Beautiful Soup, Tkinter

Summer 2018

- Developed a program that presents statistics on word usage in wikipedia articles
- Utilized Pyplot, Beautiful Soup, and Tkinter to design a user-friendly interface

Scheme Interpreter | Python

Spring 2018

- Developed a Python-based, tail-recursive interpreter for the Scheme programming language
- Implemented support for boolean arithmetic operations and clauses including *if*, *define*, *do*, and *cond*

WORK EXPERIENCE

UC Berkeley Electrical Engineering and Computer Science | Tutor, CS 61A

January 2019 - Present

- Assist over 30 students in office hours, grade homework, provide 24/7 online assistance, and assist in exam proctoring
- Collaborate with an internal team to implement logistical improvements and to maintain and develop new features for the course website and online tools

LEADERSHIP EXPERIENCE

Codeology | Co-Director of Education

December 2018 - Present

- Develop a curriculum on data structures, algorithms, and other CS fundamentals
- Lead weekly educational meetings for a club of over 60 members
- Manage a team of 6 education committee members to present weekly exploratory technology workshops

Computer Science Mentors | Junior & Associate Mentor, CS 61A

September 2018 - Present

- Lead weekly mentorship groups and develop lesson plans to provide personalized tutoring that reinforces students' understanding of course material
- Provide individual tutoring and exam review sessions to effectively strengthen students' understanding of computer science concepts

Berkeley High School Bridge Program | Tutor

October 2017 - February 2018

- Tutored over ten at-risk youth in mathematics and physics and encouraged the pursuit of college education
- Improved information retention and critical thinking skills that resulted in significant GPA improvements

SKILLS

- Technical skills: Python, Java, C, HTML, CSS, Javascript, Git, LaTeX
- Other languages: German (intermediate proficiency)