

Ken Nakamura Shaffer

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Summary/Future Goals

Dedicated and diligent to the pursuit of experience, work, and knowledge. Able to adapt from situation to situation, learning whatever is necessary to complete the task and, willing to use a diverse amount of knowledge from a variety of fields and cultures to solve any problem. Interested in studying data science and A.I in the future.

Skills

- High Stamina
- **Python/Java/C++/C** programming skills
- Familiar with **Matlab, Verilog** (HDL), Agile Development
- Basic knowledge of HTML and CSS
- Adaptable
- Diligent
- Perceptive

Experience / Volunteering

- Over 450 hours Volunteer Experience at Public Library (High School)
- Volunteer Experience at CIF events for Cross Country and Track (High School)
- Over 150 hours experience gardening, landscaping a Cross Country Course, moving items for events, and helping out. (High School)
- 1 month SPIS (Computer Science) summer program at UCSD, learning Python and algorithmic problem solving.

Education

- **La Sierra High School** (2011 – 2015)
- **University of California, San Diego (UCSD)** (2015 – Current) (GPA - 3.526)
Computer Engineering Major in Jacobs School of Engineering
Cognitive Science Minor

Side Projects

- Seam Carving (Calculating Energy (Distinctness) in pictures and removing pixels of the lowest energy, currently can only remove lines of pixels, can not add pixels) Basically re-sizing images. **[Done in python]**
- Attempting to create and host a website on a Raspberry Pi using Python (flask), HTML, CSS, and an Apache server. Website will be basic and allow user interaction with other CS projects created. **[In Progress]**

Relevant CS Courses Taken/Taking

- CSE 12 - Data Structures & Object-Oriented Programming
- CSE 30 - Computer Organization & Systems Program
- CSE 140 - Component & Design Tech/ Digital Systems
- CSE 100 - Advanced Data Structures
- CSE 105 - Intro to Theory of Computation
- CSE 101 – Design & Analysis of Algorithm (Currently Taking)
- CSE 110 – Software Engineering (Currently Taking)
- ECE 45 – Circuits and Systems
- ECE 35 – Introduction to Analog Design